

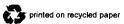
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# FINAL ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

Volume III

May 1992

U.S. Army Strategic Defense Command



#### Final

## ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

Volume III Written Comments

U.S. Army Strategic Defense Command



May 1992

## VOLUME III WRITTEN COMMENTS

This volume of the Strategic Target System Final Environmental Impact Statement contains the Exhibits (written comments) received at the public hearing and the Comment Letters received during the public comment period. Also included are the cited references, the commentor index, and the distribution list.

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CHAPTER 1 EXHIBITS

#### **EXHIBITS**

This chapter presents copies of exhibits received during the March 24 and 25 public hearing for the Strategic Target System Draft EIS. Exhibits included copies of speakers prepared speeches, supporting documentation, and written comments sheets. A total of 111 exhibits were received during the two sessions of the public hearing. In addition, over 2,300 form letters (see EX107, EX108, and EX109) were submitted. The exhibit commentor number is shown in the upper left corner and categorized comments are shown in the right margin.

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## COMMENTS OF STATE REPRESENTATIVES BERTHA KAWAKAMI & EZRA KANOHO ON THE U.S. ARMY STRATEGIC DEFENSE COMMAND'S DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

March 25, 1992

August C. Mangusa Lleutenant Colonei, USA U.S. Army Strategic Defense Command

Dennis R. Gaillen Environmental Engineer U.S. Army Strategic Detense Command

Thank you for giving us the opportunity to submit comments on this Important matter.

Even though the Pacific Missile Range Facility (PMRF) at Mana is located within Representative Kowakami's 51st district, both of us have been very interested in the proposed launching of Strategic Target System missiles from the Koual Test Facility since the project was originally proposed.

As Kauai residents will note throughout this hearing, we have many concerhs about the impact that the missile launching could have on the local environment. For this reason, we want a full disclosure of the environmental impacts that this proposed project will have. And once the impacts are clearly known, we want to be assured that steps will be taken to mitigate these impacts as much as possible. We also want to kept abreast of all new developments related to this project.

Not being experts on air quality and threatened or endangered flora and fauna, and knowing little about missile launchings, we cannot speak with any authority on whether the draft environmental impact statement adequately discusses the impacts that may result from the proposed project. For these specific topics, we gladly defer to the experts in the field.

We would like to, however, share our thoughts with you on the broader implications that this issue is having on the Kauai community. On this topic-the people of Kauai--we teel that we are better qualified to speak.

We must ask ourselves: what is the impact that this issue is having on the social fabric of our community? This is a question that greatly concerns us, because we foresee a polarity forming in our community that may have a losting impact on uslong after the decision is made on the adequacy/inadequacy of the environmental impact statement. We see this polarity forming, not over specifics contained in the draft environmental impact statement. Rather, it is over a broader concern-whether

EX1 (cont.)

the long-ferm survival of the PMRF, Itself, hinges in any way on the approval of this project. In other words, the livelihood of many Kaual residents may be in Jeopardy. We don't know whether such a linkage exists. We do know that some have maintained this position, and others have denied it. Nevertheless, this disturbing speculation persists. And it concerns us, because PMRF has been a good neighbor. It supports the economy of our Island, and it assumes a very important niche in our community and the state.

To minimize such divisiveness in our community, it is important for the final environmental impact statement to clarify this concern once and for all.

At the same time, we at the Legislature are working to ensure the long-term survival of the PMRF. Two weeks ago, we introduced House Concurrent Resolution No. 360 (attached) which urges the United States Congress, the President of the United States, and the Secretary of Defense to maintain the PMRF as the United States' foremost missile range facility in the Interest of assuring the nation's defense and preserving world security and peace. The concurrent resolution also urges Hawail's congressional delegation to do everything in their power to preserve the integrity and capability of the PMRF. The gist of this measure is that Kaual cannot afford to lose the PMRF.

We end our comments with these requests. We ask the United States Army to please listen carefully to the testimony that is given at this hearing. In addition to the specific questions that will be raised, please also consider the broader message that we are giving to you. Kouai residents are very concerned about protecting both our environment and our community.

Finally, we ask those in the audience to be tolerant of those who have different views from yours. Piease remember: we need to live with each other.

We appreciate the opportunity to testify.

Bertha Kawakami State Representative 51st District

Ezra Kanoho State Representative 50th District 4

Attachment

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H.C.R. NO. 360

HOUSE OF REPRESENTATIVES SIXTEENTH LEGISLATURE, 1992 STATE OF HAWAII

#### HOUSE CONCURRENT RESOLUTION

URGING THE CONGRESS OF THE UNITED STATES, THE PRESIDENT OF THE UNITED STATES, AND THE SECRETARY OF DEFENSE, TO MAINTAIN THE PACIFIC MISSILE RANGE FACILITY AT MANA, ON THE ISLAND OF KAUAI, IN THE STATE OF HAWAII, AS THE UNITED STATES' FOREMOST MISSILE RANGE FACILITY.

whereas, the Pacific Missile Range Facility (PMRF) at Mana, on the island of Kauai, in the State of Hawaii, was established twenty-eight years ago and has long been acclaimed as the world's premier missile testing and fleet maneuvering site; and

WHEREAS, through the years, hundreds of millions of taxpayers' dollars have been invested in structures, runway and missile firing facilities, as well as sophisticated testing, tracking, missile retrieving, and related telecommunications equipment, to attain this needed capability; and

WHEREAS, the PMRF covers a land area of 2,478 acres at Mana, Kokee, Makaha ridge, Kaumokala ridge, and Port Allen, on the island of Kauai, and a radar site at Mauna Kapu, on the island of Oahu, as well as an underwater tracking range of 1,000 square miles, which is cabled to provide subsurface monitoring and tracking capability; and

WHEREAS, the total range of designated operations at the PMRP spans 29,000 square miles of open ocean, far removed from traveled sea lanes, as well as the flight patterns of commercial air carriers, unlike the congestion and conflict that exists anywhere along the continental coastline of the United States; and

NHEREAS, experiences from war in the Persian Gulf and other recent conflicts mandate that national defense and world security be maintained to guard against unscrupulous dictators who intentionally mislead and rally their unwary citizenries against depicted enemies to satisfy their personal quests for power; and

WHEREAS, the Legislature wishes to clearly express its total support for the intent of the "STARS PROGRAM", provided that an environmental impact statement and its review indicate that the island of Eauai and the State of Hawaii will not be adversely impacted environmentally, or in any other way, by the program; and

HCR LRB 92-1914

EX1 (cont.)

Page 2

H.C.R. NO. 360

WHEREAS, the PMRF and its personnel and employees--numbering 135 active-duty Navy personnel and 711 civilian employees, tenant employees, and Hawaii Air National Guard personnel--have been good and caring neighbors who, in their official and volunteer capacities, have established a proud history of willingness to provide various services to the community, including contributions to the Kauai United Way and four-year college scholarship grants to Kauai's youth; and

WHEREAS, the vast, albeit silent, majority of the people on the island of Kausi recognize:

- (1) The beneficial presence of the PMRF through the facility's creation of technical and skilled job opportunities, as well as the facility's substantial contribution to the island's economy; and
- (2) That there would be a devastating effect on the island's residents should the PMRF's activities, with an annual operating budget of \$73,000,000, be significantly curtailed or completely terminated;

now, therefore,

BE IT RESOLVED by the House of Representatives of the Sixteenth Legislature of the State of Hawaii, Regular Session of 1992, the Senate concurring, that the Legislature respectfully urges the Congress of the United States, the President of the United States, and the Secretary of Defense, to maintain the Pacific Missile Range Facility at Mana, on the island of Kauai, in the State of Hawaii, as the United States' foremost missile range facility, not only for all the reasons cited in this Concurrent Resolution, but more particularly in the interest of assuring the nation's defense and preserving world security and peace; and

BE IT FURTHER RESOLVED that the members of Hawaii's congressional delegation are respectfully requested to support the intent of this Concurrent Resolution and to do everything in their power to preserve the integrity and capability of the Pacific Missile Range Facility; and

BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the President of the United States,

HCR LRB 92-1914

H.C.R. NO. 360

the Secretary of Defense, Hawaii's congressional delegation, the Governor, the Mayor of the County of Kauai, the members of the Kauai County Council, and the Commanding Officer of the Pacific Missile Range Facility.

OFFERED BY:

Butal Sander

EX2

P.O. Box 123 Lawai, Kauai, HI 96765 (808) 332-7287 (H) (808) 335-4657 (O)

March 24, 1992

#### TO WHOM IT MAY CONCERN;

This is to identify Ms. Annelle Hazlett as the individual who will read my statement at the STARS EIS hearing as I indicated I would be out of town. I have been assigned a time of 7:58 p.m.

Thank you very much.

David S. Nekomoto

Ψ.

HCR LRB 92-1914

David S. Nekomoto P.O. Box 123 Lawai, Kauai, HI 96765 (808) 332-7287 (H) (808) 335-4657 (O)

March 24, 1992

#### TESTIMONY FOR THE STARS DRAFT EIS REVIEW HEARING

Thank you for allowing me to submit to you my written testimony for this important hearing.

First of all, I would like to say that I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS, and am convinced that there would be no significant impact caused by the STARS launches.

Hawaii as a state is about to feel the far reaching impacts of massive Defense cutbacks, and we as citizens should be very concerned about the economic consequences.

Strategic Defense Initiative programs, including STARS, have survived these cuts and more importantly, have received increased funding, as approved by Congress. We should cherish the fact that the program can be so significantly supported from our little base right here on Kauai!

I have stated my strong belief that the existence of PMRF today is due largely to Test and Evaluation programs with SDIO being PMRF's largest customer. Those of us who understand business know the value of keeping your biggest accounts in good shape!! I'm not saying that public safety should be compromised-I am confident that project personnel are doing a good job at minimizing risks to the public and to the environment.

In the face of increasing evidence that there are serious questions being raised about the future of PMRF, I think that anyone who has concern over the economic well-being of our County would not be protesting the presence of STARS on Kauai.

Those who protest the STARS program should be scrutinized. How many who protested for the EIS have stopped protesting now that the EIS has been mandated??? I would venture to say that most of the same protesters are now focused on eliminating the program from Kauai altogether. My question to these protesters is:

"If you knew that your protests could do irreparable economic harm to Kauai and her people, would you continue in your protest?"

If the answer is "NO, I would stop," then I urge you to listen & evaluate.

If your answer is "YES, I would continue," then I urge you to move from Kauai.

EX2 (cont.)

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To you the Program Managers, please be aware that there are many, many people who support the base and its programs. However, our military and civil service personnel are somewhat restrained in the extent they are able to speak in public, and the vast majority of the other good folk who support PMRF are not of the stock, or do not have the time or money to involve themselves in a prolonged effort to ring bells and rattle cages as our opposition is so capable of doing. Our people don't have the kind of finances it takes to continuously run expensive television, radio and newspaper advertisements, or to hire high priced speakers from out of town. We're being outclassed and outspoken by people with fancy credentials who speak in half truths. Most of them are new arrivals to Kauai, who want to burn the bridge now that they're across it--people who don't know or feel the meaning of the word "ALOHA."

To my fellow supporters of PMRF and the STARS Program-1 thank you for coming out to show where you stand. I urge you to continue the fight as hard as you can, as the base's future is in our hands. We must be active and vocal, or we will all lose out. Urge others to get involved. Our politicians must get the message so they can act to avert irreversible damage to our island's economy.

PMRF and Pohakuloa are the two largest military training areas remaining in Hawaii, and both are under fire by protestors. If either of these ranges close, there would be reason to relocate operational units to where they are welcome, where there is better access to training facilities. We've already lost Kahoolawe, and this is causing Pearl Harbor based units to transit to San Diego to get to training facilities which permit naval gunfire operations. It won't be long before military decisionmakers take action to transfer these ships and personnel to San Diego in order to be closer to usable training areas.

Yes, I truly believe that Hawaii is headed for real trouble, and it starts in our own back yard. We must do all we can to stop the loss of military training areas if we don't want the operational units to relocate elsewhere!

I know there are many protesters signed up to speak tonight, but I would like you to know that there are also many supporters here--WOULD ALL THOSE WHO SUPPORT PMRF AND THE STARS PROJECT STAND AND SHOUT YOUR SUPPORT???

In addition to the show of support evidenced by those here tonight, it gives me great pleasure to present copies of over 1750 letters of support which have been presented to our leaders in Congress, the State Legislature, and the Mayor and County Council of the Island of Kauai. These letters evidence a declaration of support for PMRF, its people, and its programs. Please accept them as affirmation of the support of many who are too shy to approach this microphone.

Thank you very much for listening.

Mil Gulymas

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March 24, 1992

To: U.S. Army Strategic Defense Command

From: Cynthia Stark-Wickman

1746 Hulu Road, Kapaa, Kauai, HI 96746

808-822-3771

Re: Draft Environmental Impact Statement for the Strategic Target

System

As I teach my children to place their efforts towards a peaceful future, I come before you tonight as a representative of my family, especially my two daughters ages 4 and 7. While they are now being educated to respect the natural environment, the meaning of extinction and endangered species, as well as the concept of equal rights for all people, we as adults are called upon to make judgement as to what is right or wrong for the future of the uniqueness of Kauai.

I will not pretend to fully understand all of the intricacies of this military project, but I will speak of my opinion as to what I believe is significant or "insignificant". Having been educated to know that insignificance is indicative of a low percentage of effect or change, I realized that research and analysis of data can easily justify insignificance by percentages. In the case of our environment, we have been able to observe how "insignificant" alterations and additions can in fact be compounded thus causing mutations to our ecosystem. Our failure to continue to consider the longitudinal impact of any human introduced alterations is a point of issue.

I take the position that any avoidable alteration to our ecosystem is significant. I do not accept that the Strategic Target System research and testing mode is of greater value than the Kauai environment I prefer that this research remain on paper and in a state of simulation, therefore, I make a plea for the "NO ACTION ALTERNATIVE". No action guarantees the continued undisturbed existence of Kauai's fragile ecosystem.

EX4

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March 24, 1992

Testimony Given Before The U.S. Army Strategic Defense Command Concerning the STARS Environmental Impact Statement

#### Gentlemen:

My name is Jay Hanson and I represent the West Hawaii Sierra Club. There are certain issues that we raised during your scoping period that have not been addressed in your EIS:

- Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.
- Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.
- Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand.
- Please identify all sources of ionizing radiation that could be aboard your launches. Furthermore, please calculate the worst-case radiation health hazards.

The largest source that we are aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. We are concerned about health hazards if large amounts of DU were to burn on the pad.

Thank You.

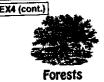
Jay Hanson, 78-6622 Alii Drive, Kailua-Kona, HI 96740

Phone: 808-322-7268 Fax: 808-322-7869

**ENCLOSURES** 

Hawaiis Sierra Club - now over 4,000 strong

1-7







December 17, 1991

Deputy Commander U.S. Army Strategic Defense Command Attn: CSSD-EN-V (D.R Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Dear Mr. Gallien,

This letter is in response to your letter concerning the STARS EIS. I believe that my previous letters have raised all the issues that concern me. I am particularly concerned about sources of ionizing radiation that may be present on your launches.

The largest source that I am aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. I am concerned about health hazards if a large amount of DU were to burn on the pad.

Please identify all sources of ionizing radiation that could be present on your launches. Furthermore, please calculate their worst-case health hazards.

Aloha.

Jay Hanson,

Phone 808-322-7268 Fax 808-322-7869

Program Chair, West Hawaii Sierra Club.

78-6622 Alii Drive, Kailua-Kona, HI 96740

Hawaii's Sicra Club - now over 4,000 strong

EX4 (cont.)







December 25, 1991

Deputy Commander U.S. Army Strategic Defense Command Attn: CSSD-EN-V (D. R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

SENT VIA FAX 205-955-1310 and U.S. Mail (5 pages with enclosure)

Dear Mr. Gallien,

After my letter of December 17, concerning the STARS EIS, some of our members raised additional concerns. The West Hawaii Sierra Club apologizes for not mentioning these issues earlier.

Most importantly, the West Hawaii Sierra Club suspects that the following three questions get to the heart of the STARS opposition on Kauai. If your EIS can satisfactorily answer these three questions, the West Hawaii Sierra Club believes that the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then the people will continue to oppose the STARS program on Kauai.

Question #1 - The West Hawaii Sierra Club feels that the present Strategic (as opposed to theater) SDI program has not been shown to be the most cost-effective, most reliable solution to defend against the perceived nuclear threat. It is the West Hawaii Sierra Club's understanding that several respected scientists have proposed better alternatives (we are enclosing a copy of one recent opinion). Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.

Hawaii's Sierra Club - now over 4,000 strong

EX4 (cont.)







Question #2 - After viewing the video "Home on the Range," the West Hawaii Sierra Club is concerned about the negative impacts on the residents of Kwajalein Lagoon. Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.

Question #3 - The West Hawaii Sierra Club is concerned about the costs to society of the STARS Program. Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand it. For example, what are the financial costs to society of the STARS program in terms of citizens denied health care, how many college educations would STARS cost, how many affordable housing units would STARS cost, how much unemployment would STARS cause, etc.? What are the clearly defined benefits to society of the STARS program (answer question #1 first)?

To reiterate, the West Hawaii Sierra Club believes that if your EIS can satisfactorily answer the forgoing three questions, the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then it is the West Hawaii Sierra Club's opinion that the people will continue to oppose the STARS program on Kauai.

Aloha.

Jay Hanson, Program Chair, Phone 808-322-7268 - Fax 808-322-7869 West Hawaii Sierra Club.

78-6622 Alii Drive. Kailua-Kona, HI 93740

**ENCLOSURE** 

Hawaii's Sierra Club - now over 4,000 strongl

EX4 (cont.)

October 10, 1991

Dear Editor,

Many individuals have not heard arguments concerning the proposed Strategic Defense Initiative (SDI or Star Wars) program in a way that is easy to understand. Debate presently rages concerning the wisdom of pursuing SDI, because SDI is still many billions of taxpayer's dollars, and several years away from actual deployment. Therefore, I will present currently fashionable arguments for showering SDI with money, and why those arguments are flawed.

PRO: The Soviet Union may accidentally launch an intercontinental ballistic missile (ICBM) at us and we would need our SDI anti-ballistic missile (ABM) to shoot down their ICBM.

CON: Dr. Sherman Frankel proposes a much better solution to the problem in an article titled "Stopping Accidents After They've Happened", which appeared in the Nov 1990, "The Bulletin of the Atomic Scientists."

Nuclear missiles have sophisticated electronic locks called "permissive action links" (PALs), and require special codes before the missiles can be launched. Unfortunately, once they are launched, there are presently no mechanisms in place to destroy errant nuclear missiles.

Dr. Frankel proposes a new system that would be able to destroy missiles after they have been launched, and would be similar to systems that are presently used on all commercial rockets. The principal innovation is that the new post-launch system would have a unique secret destruct number stored in each missile. Each missile's secret number would be changed frequently to guard against espionage. There would be one PAL to launch the missile and another PAL to destroy it.

Dr. Frankel's system would be far cheaper, quicker to implement, and much more reliable than the proposed SDI ABM system. Dr. Frankel is a professor of physics at the University of Pennsylvania in Philadelphia and is completing a book about post-launch control of nuclear weapons.

PRO: Saddam Hussein may get a nuclear weapon to destroy one of our cities and get even for Desert Storm. Thus, we would need SDI's ABM to shoot down Saddam's ICBM.

CON: Dr. Robert Bowman lectured in Hawaii during 1990 and made the following points concerning nuclear terrorism:

#### EX4 (cont.)

If the past is any guide to the future, nuclear weapons will indeed become more and more likely to fall into the hands of terrorists. However, even if crazy Saddam manages to steal a nuclear weapon, he still will not have ICBM technology. Moreover, if someone gave Saddam an ICBM to launch his weapon, why would Saddam risk his precious nuclear weapon on an untested ICBM? Perhaps, the single most important reason not to use an ICBM is that as soon as a missile trajectory originating from Iraq appeared on our radar screens, we would certainly retaliate.

Wouldn't Saddam be more likely to place his bomb in a boat and simply sail into any handy American seaport? Come to think of it, we have a pretty good selection to choose from right here in Hawaii. Saddam couldn't possibly miss, and no one would ever know where it came from. Instant glass...

In reality, we must stop the proliferation of nuclear materials and technologies in order to protect ourselves against nuclear terrorism.

PRO: We can stop worrying about nukes once we have SDI.

CON: Even SDI proponents no longer consider this a rational argument, because there really is no defense against a nuclear weapon in the hands of a terrorist.

#### EX4 (cont.)

PRO: America's National Security requires a healthy defense industry.

Therefore, we need to develop SDI in order to keep defense contractors from going broke (a variation on this argument was actually made recently by NASA's Admiral Truly).

CON: There does need to be a residual capability in our defense industries. However, these companies should be developing beneficial products instead of just flushing taxpayer's money down their toilets. They should be working on technical solutions to the global warming problem, combating ozone depletion, developing hydrogen-powered autos, and perfecting solar-powered electricity production.

Today, America is the world's largest arms dealer. Today, President Bush is proposing new mega-billion dollar weapons systems to compete with last year's models of our own weapons. Today, the weapons priesthood is looting America on a scale that leaves the Savings and Loan Bandits green with envy.

In the new Sierra Club book "Hidden Dangers", authors Ehrlich and Birks state: "The net interest payments on the federal debt combined with government purchases of military goods and services - those two budget items by themselves - absorbed all of the federal income tax revenues collected from all American taxpayers, individuals, families, and corporations in 1986."

Once we reach the point where all of our taxes are only able to service the interest payments on the National Debt, how shall we ever recover?

Aloha.

Jay Hanson, Program Chair, West Hawaii Sierra Club, 78-6622 Alii Drive, Kailua-Kona, HI 96740

Phone 808-322-7268 Fax 808-322-7869 EX5

U

3/24 (9:22 p.m.)

My name is Robert Inouye and I am employed by the Pacific Missile Range Facility as the base Environmental engineer.

I am a resident of Kausi, living and working on this island. I am very concerned about our precious environment.

The draft environmental impact statement, adequately addresses the issues and concerns of the freather Target Systems program. I concern while the that the invaterial larget center will not have a commentary. We at the Pacific Missile Range Facility are the stewards of this land . The program entrusted upon us and are very much aware of the environmental requirements.

Safety of personnel and the protection and preservation of the environment and such of the environment and such of the environment.

EX6

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<EIS>

3/24/92

Presumably, the EIS can measure the safety factor of the proposed rocket launchès on Kauai. And it can assess various environmental factors. But it <u>cannot</u> measure what Senator Reed refers to as the "immeasurable impact." In these allotted three minutes, I wish to speak directly to this immeasurable impact which, simply put, is the risk of impairing this island's very spirit — that which is best personified by what we call the "Aloha Spirit."

Many years ago, before making Hawaii my home, I was a resident of California. I would not have been particularly concerned if the military had chosen Lompoc or Vandenburg as a test site for launching their STARS rockets ... or anywhere else, for that matter. I would not have cared. But, with Kauai, there is a difference. And, the difference is this:

On June 14, 1990, when the STARS launch program was in its initial planning phases at PMRF, the military held a public meeting in Kekaha. (Perhaps some of you here this evening recall that meeting). After listening to many of the testimonies presented, it became apparent to me that none touched on this very vital question of what Reed now refers to as the "immeasurable impact."

I had not really intended to speak that evening.

EX6 (cont.)

What I said was essentially this: This Island of Kauai is sacred land ... and it has been held "in trust" by God through eons of time. Some believe that Kauai may have been the original Garden of Eden. Certainly, it is not by physical beauty alone that Kauai is designated as the "Garden Island." It is the Aloha Spirit that such a name embodies.

We, the citizens of this sacred land today are not to violate that trust ... we have the responsibility to not allow it to be desecrated. The escalating military focus on this island does just that ... as such, it should not be tolerated. This Island of Kauai is not meant for rocket launches -- and other instruments of war -- no matter how "safe."

What do I mean when I say the "escalating military focus?" Unfortunately we, the public, tend to think in short-range terms. Let us not kid ourselves. The Pentagon in Washington has major long-range plans for the Barking Sands area. What you see now is a small, innocuous base. What you will see in the near future, is a major military installation.

Witness already the step-upped program for rocket launches, quietly mentioned in the EIS. Fifteen launches a year! Of course, not all are for the STARS system. Yet, who knows how many rocket launches are planned for the future, once the STARS program is firmly rooted here.

EX6 (cont.)

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I am here to say, look <u>beyond</u> the STARS program. It represents just the initial phases of a much wider program. One in which we will all be vitally effected. And what then, about the "immeasurable impact" — the Aloha Spirit?

Let me close, if I may, with a quote from a remarkable man who was born here in 1889, a Hawaiian by the name of David "Daddy" Bray. His definition for the Aloha Spirit can very well be a model for all of us who live on this sacred. Island of Kauai. "The Aloha Spirit" is to come forward, to be in unity and harmony with your real self and mankind and the universe."

Thank you.

Richard Stong

#### COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM John A Love--24 March, 1992

Good evening. My name is John Love. My wife and I have retired here because we love the environment. That environment includes all of the God given things in nature. It also includes freedom, peace, and prosperity. We urge the people of Kauai to actively support STARS.

My beliefs are based on experience and history. I graduated from MIT in '58 and spent the next 33 years designing space systems. I have held senior engineering and management positions on many spacecraft programs including 4 SDI systems.

Why SDI, GPALS, and STARS? We all wish for peace. Recent world changes tend to make us feel more secure. However, control of huge stockpiles of military equipment is uncertain. Dictatorships can spring up overnight if the promises of freedom fail. Many third world countries already have weapons of mass destruction and are hungry for more.

There are wars now, and history tells us there will be more. We don't know where or when. Who could have predicted two years ago that we would be in Desert Storm? And who could have predicted the stunning impact of technology on saving American lives and achieving swift victory?

There is no doubt that future aggressors will have missiles armed with terrible warheads. Although Kauai is an unlikely target, we have a duty to support freedom. SDI and GPALS would provide an impressive level of defense if deployed today. STARS is needed to develop technology to make those systems less expensive and even more effective.

This EIS is thorough and professional, the best I've read. Yet when you voice your concerns, the experts cannot give you absolute guarantees. We all know that death and taxes are the only two sure things in life.

I'd like to offer a different view based on history. The natural environments around Cape Canaveral and Vandenberg are different but no less fragile than here. They are doing just fine after 40 years and a thousand space launches, most huge compared to STARS.

The space launch safety record for the general public has been outstanding. There have been some tragic ground handling and test accidents like the Apollo 1 fire. None involved the public.

There were many launch failures, particularly in the early years when we were learning. We had the Challenger disaster but as far as I can determine no other person has even been injured as a result of a US space launch. Even with the terror of Challenger, the public was safe.

We are far more at risk on Kauai's highways than anything associated with STARS, i urge patriotic support for STARS. It can help guarantee the freedom which allows true peace, and it can help bring prosperity to our beloved island. Thank you.

EX8

1

U.S. Army Strategic Defense Command

From: Averiet Soto P.O. Box 809 Lawai, HI 96765

Subj: Written comments for the Strategic Target System Draft EIS

Two years ago Captain Tom McFeely then Commanding Officer of PMRF said that if STARS did not proceed, it would not affect the base at all. I did not agree with his assessment then nor do I agree with it now.

In the STARS EIS executive summary, under alternatives, you state that "Under the no action alternative, PMRF and KTF would continue to perform its fleet training and other missile testing missions. Selection of the no action alternative would result in no significant impacts on Kauai." As is evident tonight, all future missile launches will come under intense scrutiny. I don't think your opponents will stop with STARS. The fact is, all future missile programs that may want to use PMRF are in jeopardy.

I firmly believe that test and evaluation programs are a critical part of PMRF's future. If they go away, PMRF itself will be reduced to a level of no significance. The potential loss of jobs and all the effects thereof will have a tremendous socioeconomic impact on many westsiders. I consider this very significant and strongly urge you to explore the effects of the no action alternative further.

In June of 1990 at the Kekaha Neighborhood Center, many of the same people speaking tonight looked the military straight in the face and said "We need more information. We need an EIS. Others cited treaty violations. A few were truthful and said, "We don't care what you tell us, we won't believe you. We just don't want it." Many opposed to STARS don't understand it. Others simply choose not to understand it. They want to be heard but do not want to listen.

In 1991 some of these same people looked Senator Inouye straight in the face and said "Help us get an EIS". I wonder if Senator Inouye feels used now that he knows that even an EIS won't satisfy opponents. It was just a stall tactic. I hope every elected official has a representative here tonight to witness this occasion.

2

#### EX8 (cont.)

Rick Reed says we should reject the program even if the EIS results in a finding of no significant impact because it would harm the Spirit of Kauai. In essence what he's saying is forget due process unless its findings are in our favor. If this program had started 10 years ago, what would Kauai be like today? How would it have affected the Spirit of Kauai. It seems to me that the increases in crime in the past ten years does more harm to the Spirit of Kauai than four launches a year. The worsened well-being of our children today verses ten years ago does more harm to the Spirit of Kauai than four launches a year. The increased traffic coming into Lihue in the past ten years does more harm than four launches per year. Once the STARS controversy winds down, I wonder whats next? Beware hunters, sugar companies, and anyone else who may not fit into the scheme of things to come.

Test and evaluation programs such as STARS can work at PMRF provided its done safely. This EIS has answered the technical issues surrounding it. Those who support this program know that safety must always come first. We raise our families here. This is our home. I know that those working at PMRF would never compromise safety; they would not stand for anything less than the highest possible standards. You would be the first to hear about it.

Let me quote words spoken by Kamehameha III nearly 150 years ago and is our state motto today.

UA MAU KE EA O KA AINA I KA PONO that is "THE LIFE OF THE LAND IS PRESERVED BY RIGHTEOUSNESS.

Words many in this room should take to heart!

Sincerely

**Averiet Soto** 

EX9

3441 Aeo Street Kalaheo, HI 96741 March 24, 1992

Deputy Commander U. S. Army Strategic Defense Command CCSD-EN-V (D. R. Gallien) P. O. Box 1500 Huntsville, AL 35807-3801

Dear Randy,

Thank you for the opportunity to provide written comments to the Strategic Target System Draft Environmental Impact Statement. My comments are attached in tabular format.

Also attached is a copy of my written testimony at the DEIS hearing on 3/24/92.

Sincerely yours,

Winfard Sienter

Richard Irwin

#### EX9 (cont.)

#### Comments to the STARS DEIS submitted by R. Irwin

Page No.	Para.	Line	Fig.	Tbl No.	Comments
inside front cover	Abstract	2			Typo: Pacific Missile Test Facility should read: Pacific Missile Range Facility.
ES-1	2	2nd to last			The launch of 800 rockets and targets since 1962 seems low when compared to the numbers listed on page 2-1: from January 1991 - September 1991, 499 sounding rockets, 574 drones, and 22 target missiles - a total of 1095 for only a nine month period.
ES-2	Alterna- tives	last sent.			I feel the no action alternative would result in a significant impact given the base closing issues before the DOD. If the STARS programs fails to proceed, a negative message would be sent to potential T&E range users about PMRF. A loss of T&E customers would potentially result in loss of jobs and could ultimately lead to the base closure.
ES-3	Air Quality	last. sent.			The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. This is the major polluter of Kauai's environment, and while the EIS does not directly address this issue, a RELATIVE comparison of projected concentrations of booster combustion products carbon monoxide and particulates should be made with a typical cane burning scenario. This comparison would be helpful in demonstating what the potential effects of the booster combustion products might be. The DEIS uses the relative comparison method eleswhere in the document and I found it helpful.
ES-6	Land use		-		The effects of land use and public beach closures could be mitigated if the the majority of launchs were scheduled for post-midnight to pre-dawn time frames.
2-10	3	7			Explain dome pop.
			1		engiani donito DOD.

#### EX9 (cont.)

1

2

Page No.	Para.	Line	Fig.	Tbi No.	
2-11	2	3			Will all STARS second stage boosters be built after booster number B-810? If so, state it clearly.
2-11	2.1.1.3, 2nd para.	1			The first sentence is redundant since the first paragraph stated the same thing.
2-11	2.1.1.3, 2nd para.	3-4			Explain why payloads with pre-installed nitrogen tetroxide can be flown to PMRF when on the next page it is stated that a waiver would be needed from DOT to ship the oxidizer by air. (I assume the small quantity of the pre-installed nitrogen tetroxide is allowed by DOT).
2-12	5				What is the proposed action for liquid propellant shipment - oxidizer? It is clearly stated on page 2-34 and elsewhere in the document that delivery by landing craft (Option 3) is the proposed action. This should be stated clearly here.
2-15	2				A statement should be added to document that hydrazines and nitrogen tetroxide have been safely used by NASA in the Space Shuttle and handling and safety procedures are well-documented.
2-16	3				Can the missile track and accuracy be maintained if the radar beacon fails? If so, can downrange tracking be maintained to meet safety requirements? Are there redundant beacons on board?
2-25	2.1.2.4	3			Delete the word "which" (follows Control Room, and preceeds is active throughout)
2-32	2	1 & 2			Will the portable blast deflector be installed or not? If so, state it clearly.
2-40		•			Socioeconomics - No Action: In addition to reducing PMRF's viability as a National defense asset, my comments for page ES-2 are also applicable. The loss of jobs related to STARS at PMRF and possible loss of potential future T&E programs at PMRF would be a significant economic impact to the employees, residents, and businessmen of the Westside
					businessmen of the Westside communities of Kauai.

Page No.	Para.	Line	Fig.	Tbl No.	Comments
3-15	2				The practice of burning sugar cane field causes PROLONGED periods of heavy smoke and ash during the cane harvestin season. What are the effects on air quality from burning cane? Do they exceed State air-quality standards? Again, the relative effects of STARS booster combustion products on air quality should be made with sugar cane burning.
3-44				3-6	Measurement location numbers from Fig. 3-12 should be added to this table.
4-7	5 (P/O Strategic Target System Emissions)				It should be made clear in this paragrap that the payload liquid propellents are only carried on some, not all STARS launchs. Read alone, this paragraph implies liquid fuels on all launchs.
4-10	2	3			If REEDM has been used at major launch sites for prediction, has the prediction been validated by observed results? Ho accurate has the REEDM model been in practice?
4-10	ω				How do the modeled predictions for CO concentrations compare with measured concentrations from sugar cane burning. A relative comparison here would be informative.
4-12	Particulate Matter				same comment as 4-10
4-17	002				same comment as 4-10
4-24	HCL Emissions				Won't the pre-launch fire suppression water spray on vegetation near the pad intensive the effects of HCL on the plants? It would seem logical that damp plant surfaces would readily absorb and concentrate the HCL vapor. The resultin hydrochloric acid would have a greater negative effect than the HCL vapor.
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Page No.	Para.	Line	Fig.	Tbi No.	Comments
4-36	1	1			I believe State and County laws (not- enforced) prevent the use of four-wheel drive vehicles on the beach, therefore th beach closure would have no (legal) effect on the vehicles and shouldn't be mentioned.
4-58	1	1			This sentence doesn't make sense. What's missing? Is the point being made that the hydrazine toxic vapor hazard is low due the relatively low evaporation rate?
4-74	4.12.2				My comments for pages ES-2 and 2-40 are applicable to the No Action Alternative.
6-6 .					add Hypergolic to list of Terms and

#### EX9 (cont.)

#### Written comments for the record concerning the STARS DEIS

Thank you for the opportunity to offer testimony on the STARS Draft EIS.

My name is Richard Irwin and I am a retired Navy veteran employed at PMRF. I am also a veteran of the Cold war. A good part of my military career was spent in daily contact with Communist forces. I monitored their strategic missile weapons testing program; I was there as their multiple reentry vehicles came screaming through the skies, like fireballs from Hell. The simulated thermonuclear detonations of these test weapons was the most frightening thing I have ever witnessed. It was chilling to realize these events simulated the incineration of millions of people. Because of these experiences, I know that the GPALS and STARS programs are vital to the Nation's security.

I feel the DEIS in-adequately addresses the negative impact on the Nation's defense, if the No Action Alternative is followed. The STARS program is vital to the Nation's security. More so in this era of uncontrolled nuclear proliferation. A cold war victory did not dispel the nuclear genie. The Soviet Union is fragmented and bankrupt, but in its ashes still lies the seeds of Armageddon. Seeds that left untended, will surely scatter to even more threatening fields. The Chinese have advanced their technology with capable ICBM and SLBM delivery systems. We live in a world in which nearly every nation that wants nuclear weapons has them. Even designing a nuclear weapon, once the most closely guarded of secrets, is not a difficult task. What's classified today is how to build a good weapon, not how to build a weapon. While the Strategic Defense Initiative's GPALS program cannot defend against all methods of nuclear weapons delivery,

#### EX9 (cont.)

19

#### BALLISTIC MISSIES

it holds the best hope of rendering  $\varkappa$  useless. I therefore urge you to readdress and emphasize this issue in the No Action Alternative.

The No Action Alternative should consider the effect on the Kauai economy if PMRF is cut back or closed as a result of the lose of STARS and other T&E programs.

The vocal, anti-STARS, monied minority of North shore have opposed the STARS program and the Nation's defense from day one without taking the time to explore all sides of the issue. Their stated goal was to ensure environmental safety by demanding an EIS. Now that they've got the EIS they say No Rockets regardless. The rockets have been on Kauai longer than most of them and with far less environmental damage. Some are even advocating disregard of the law with their contention that invisible feelings and spirts of Kauai will be affected. What is their real agenda? I feel these environmental dictators won't be satisfied until they've run everyone off the island that oppose their one-side views.

These environmentalists have a total disregard of their actions on the hardworking folks of the Westside. Thousands of Westside residents are directly or indirectly dependent upon PMRF for their financial well-being and lifestyle. Recent cost-cutting moves by the Department of Defense are forcing base closures and are now a very real threat to PMRF. The Base is under a justification review mandated by the Chief of Naval Operations. Myself and fellow employees at PMRF take this potential base closure threat very seriously. That is why the STARS program is viewed by most long-term civilian employees as the key to the Base's future. A safe and successful STARS program will undoubtedly attract other National test and evaluation programs (not necessarily missile-related) which

#### EX9 (cont.)

will keep PMRF and Kauai prosperous in the future. If this isn't keeping "Kauai Kauai" or "Hawaii Hawaii," then what is? If PMRF should close as a result of losing programs such as STARS, don't you think the impact, from loss of jobs, would be far greater upon the "invisible spirit and soul of Kauai" than that from a few short-duration missile launches?

PMRF may just be the tip of the iceberg for Hawaii. Recently we've seen the Commander, Third Fleet and his staff relocate to California. Cutbacks have been announced for the Pearl Harbor shipyard. Relocation of the Commander, Pacific Fleet and staff to California is under serious consideration. The majority of surface ships and submarines would also be relocated under some plans. Since the Kanehoe Bay Marine Corps can no longer train on Kahoolawe, are they the next to go? And what about the light infantry at Schofield Barracks without Hickham cargo aircraft for rapid deployment: will they also be relocated? We are talking about the potential loss of tens of thousands of jobs and hundreds of millions of payroll and indirect dollars to the Hawaiian economy.

The members of the Kauai County Council feel the PMRF closure threat is real enough to have recently expressed their unanimous support of PMRF to Senator Inouye in a letter asking his support, to keep the base open. The Mayor, of course, has sided with her North shore friends to continue with her long standing agenda dating from her County Council days: and that is to close the base.

I ask those that oppose STARS to keep an open mind and visit their neighbors at PMRF to get their viewpoint and the rest of the story. Talk to engineers and Union technicians and operators who will actually launch and track the STARS missile and ensure the public and environments safety. For the majority of these people,

#### EX9 (cont.)

this launch will literally be in their backyard: just miles from their homes and families. Yet, I predict you will find strong support for the STARS program because these professionals have years of experience with missile safety and they know THE STARS SYSTEM IS SAFE FOR THE PUBLIC AND THE ENVIRONMENT.

Yours truly,

Richard Irwin

3441 Aeo St.

Kalaheo, HI 96741

#### League of Women Voters of Kaua'i County

Testimony to the U.S. Army Strategic Defense Command Lihu'e, Kaua'i, Hawai'i, March 24, 1992

The League of Women Voters

supports the preservation of the

physical, chemical and biological integrity of the ecostystem, and supports maximum protection of public health and the environment.

The League believes that:

- -- the federal government should provide leadership in protection and management of natural resources;
- -- that the government--the military, in this case--has special responsibility for the lands and resources entrusted to it; and
- -- that there must be special consideration for the protection of areas of critical environmental concern, historical importance and aesthetic value.

The U.S. military has quite recently admitted to degrading environment and health beyond necessity and reason in areas across the United States, and you have vowed to improve. You have acknowledged certain important impacts and risks, and hopefully heard the documented others, of the proposed Barking Sands missile launchings and resulting threats to local health, safety, archeology, environment and economy.

If you were a commercial or subsistence fisher of Kaua'l, or surviving through tourism, would you feet more secure with expertmentally-remodeled Polaris missiles

If you were worried about missile attacks, would you be happy to be a target due to SDI activity here?

If the military is developing NUCLEAR-powered rockets and NUCLEAR satellites to take SDI weapons into space, might Barking Sands be involved?

Show us that you do defend --betore the damage is done: do not further endanger Barking Sands.

Non Partisan Non Profit

Non Partisan Non Profit
Promoting Political Responsibility
Open to all adults over 18 years



EX10 (cont.)

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Vol. 138

WASHINGTON. FRIDAY, FEBRUARY 7, 1992

No. 15

## Congressional Record



PROCEEDINGS AND DEBATES OF THE 102" CONGRESS, SECOND SESSION

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EX10 (cont.)

THE S

February 7, 1993

PRESIDENT BUSH'S FISCAL YEAR 1993 BUDGET PROPOSALS Mr. DeCONCINI. Mr. President, ap-proximately 10 days uso the President outlined his proposals for economic re-covery in his long awaited and highly touted State of the Union Message Now that the dust has settled a bit and I have had time to review the derails of the budget the President sub-

mitted to Congress the following day, I would like to take a few minutes of the Senate's time to express my reactions to both.
Mr. President, there are many items

in the President's proposals that I intend to support, but the President's plan, as a whole, lacks the yislon, the sense of uppercy and the boldness that the American public was expecting to. the American public was experient to do not not the Squitzestiffs are now put the Kullon out of recession. I betieve my Fathous have been validated, by Etherment polls. Americans who are out of work coupled with those any, it is counterproductly, and its who fear they may soon join the ranks of the unemployed were not reassured by the President's words. Their confidence in the economy was not re-stored. Perhaps the expectations sores remains the pre-game warmup show orchestrated prins administration to exchestrated prins administration to the Super Bowl of State of the Union addresses cause fiver be the treatment of the President settled for abort yardage. Mr. President settled for abort yardage. Mr. President is not the type of

reviewing America's great success in the Gulf War. I think we can all agree that R was a monumental victory and a defining proment of the Bush Presi-

We all give the President great comyou cannot get out of a recession lying and on that product.

It was precisely because President Bush effectively used the power of his office to build all international and domestic coalition of support that his efforts were such a resounding success.
Rather than pursuing the same strategy on the domestic front the President threw down a quantiet and demanded that Congress gass his package and deliver it to his desk by March M. That tactic was election year poli-

tice not a constructive strategy for winning the war on the domestic

President Bush was a member of Congress the knows all too well how the amongs works. It took President the Bush S wycks to recognize we were in a recension but wants. Congress to pass it wants the comprehensive secondomic recovery package in 32 tgys—nothing more, and despite the charged rhetoric for the foliage in the comprehensive secondomic recovery package in 32 tgys—nothing more, that will surely be part of the debate. I soothing less. There is something work together and create an ecoferic domestic words with this picture.

While Congress is a popular target for attack, it is part of the democratic process. It has to be democratic process. It has to be democratic process. for attack it is part of the democratic process. It has to be worked with, and the President knows that better than

CONGRESSIONAL RECORD - SENATE

Mf. President, the Democrats are lieve should be incorporated in the not his entemy. We are here to work from the better of the cuntry, just an impackage.

First, I believe that at least half of he is. And it is time that we get to any additional savings we schieve in the defense and foreign aid areas must by as we did against Saddam Busseln. I be targeted toward deficit reduction.

Ty as we did against Saddam Hussen. I that he had been as the fresident to do that. It serves no useful purpose to initiate a unnecessary—parisant batter when there is a serious sconunic war to be won. The scopoline future of our country is at attack. The falling sconunic war not the enemy. The falling sconunic war not the enemy. The falling sconunic that done is to forge the same kind to be to same kind to be to same Saddam Hussein, Unfortunately, he

sary, it is counterproductive, and it

must stop.

Before we can coalesse around any bipartisan economic plant I believe we must face up to two facts.

First, I believe that there must be an

must face up to two facts.

First, Delieve that there must be an agreement between the administration and Congress to tear down the budget summit prohibitions—the so-called enterwish—which prevents the from using lion, and I would stop production of savings in our defense and foreign aid. recounts to fund domestic programs. for a I introduced a resolution to do Just ings.

ceasure action we need to win the em-nomic battle and the Aderican public appears to recognize Mist.

The President began his address by reviering America's great success in creasing overall Government expendi-creasing overall Government expendi-in our foreign aid accounts. I believe decisive action we need to win the eco-nomic battle and the American public

the cap on overall expenditures, as mandated in the budget summit agree-

ment, remain firmly in blace.

Second, I believe that a consensus has to be reached to make additional on these cuts.

ficult to put partisan blokering aside and fashion a truly bipartisan pack-

age. Even with agreement on these two Even whith generating to shooth steedding, there will be strong disagreements and heated debates on individual elements. Why are we funding a project in section of a mission?

No side can expect to get everything for their lodging.

It wants.

If ever there were a Heartbreak Household the state of the debate in the debate in the debate in the debate in the state of the state are considered and put American back to work.

Haying said that, I would like to address some of the elements that I bewill pay long-term dividends.

I believe we can safely reduce our forces in Europe, Kores, Japan and elsewhere overseas by an additional 100,000 troops.

In addition to the programs already slated for termination, I would add among others, an immediate cancella-tion of the B-2 bomber, which would save an additional \$2.7 billion this year

for an additional \$800 million in sav-

I would cut SDI by more than \$2.3

tures.

Fiscal responsibility demands that military sales and economic support expenditures to better reflect the new world order.

I would exclude Israel and Egypt

On the domestic side, I would halt has to be reached to make administratives in the domestic side, I would naive found by the President.

Absent agreement on these two issues. I think it will be extremely different the program may not because this program may not have merit, but because we have more pressing domestic needs.

I would cancel the space station -a project whose mission has been changed nine times—for savings of

heated debates on individuals controlled the President's package.

That should not be viewed as something sinister or cyrical, that is what representative Government is all about.

All sides should be fully engaged in All sides should be fully engaged in the controlled the streets are out of work and millions more are turning to the streets (or held loging.

#### EX10 (cont.)

S 1342

dent's proposals.

These initiatives include expansion

#### CONGRESSIONAL RECORD - SENATE

February 7, 1993

#### INFANT MORTALITY

of the IRA, penalty free withdrawal from IRA accounts for medical, educa-tional needs or for the purchase of a first home, the \$5,000 credit for first-Mr. DECONCINE Mr. President, Americans nationwide will open their is a marcicass nationavide will open their interest home the \$5,000 credit for first interest home buyers and the RdD lax come very good news. The Center for Dissas Control samounced yesterday that the United States has recorded in the president incorporated a proposal in his budget.

I have long supported a reduction in the canonist grins tax and am pleased ince the President incorporated a proposal in his budget.

Again, I support the concept, not necessarily the specifics of the Bush proposal. Again, I support the concept, not increasarily the specifics of the Bush proposal. There is really more bed news in the fact that story and read that story and read that story and read that story and read the seatistics.

There is one tax proposal which find irresponsible—the executive action taken on wage withholding.

Not only as it a bad idea, it will cost indiced provide preventiveness so that bidlion. Characting the tax tables to put an other is less mortality now is that we

Changing the fax tables to put an there is esmontality one with the ward of the season of the season

The rate of 1999, the most recent year for restment.

But taxpayers could well end us the most recent year for the restment with an unexpected tax liability next in the restment of the rest of the restment of the set of the design of the restment of the restment of the restment of the restment of the rest of the design of the restment of the restme

Mr. Prasident, we have more considerable progress in reducing infant man is haunting the halls of OMB.

The budget has \$60 billion worth of his trickery over 5 years.

Mr. Prasident, we have more considerable progress in the century. But mortality rates this century. But mortality rates this century. But his trickery over 5 years. this trickery over 5 years.
Perhaps the worst such trickery

More importantly, the little progress occurs by changing accounting rules to make it look like there are savings where none actually exists.

More importantly, the little progression was made has been in keeping side we have made has been in keeping side with made in the local many states in a second to be a healthy baby. While I salute the where the content of the content of

To create jobs quickly, I think we should consider accelerating federal of package the American people need construction projects such as BIA and demand. One that will pull this national, national park projects, but have been all ready been approved but lack funding. These projects could begin almost. These projects could begin almost immediately and move people from the unemployment lines to the project. On the tax side, there are numerous incentives with which I agree in concept, although I am not necessarily. It posse snophous challenges—cha

very answer to the reduction of low birthweight and premature births. I strongly urge my colleagues to consider cosponsorship of this vital legislaer Cosponsorship of this vital legisla-tion as they search for ways to further

ATLANTA, Feb. 6-The United States re-torded its lowest infant mortality rate ever,

birth defects. -The U.S. infant mortality rate has

dropped significantly throughout the 20th century, although the decline has slowed in the last decade.

The simple reason infant mortality rates

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February 7, 1992

for black infants, it was prematurity or low

birthweight.

And the disparity is increasing the CDC said. The white infant mortality rate dropped 4 percent from 1988-89, while the black rate actually increased slightly.

#### SENATOR BYRD'S

Mr. EXON. Mr. President, will the Senator from West Virginia yield for 1

Mr. BYRD, I gladly yield to my dis-

started his ackiress. As a member of thanks in advance, because I know the Budget Committee, I was very honored indeed, to hear this whole detailed thoughtful, intelligent, incisive presentation that Senator Bran is about the charts he is going to present. I add my thanks, as a Senator that the transfer of the make.

The President pro tempore of the Again. I will not be able to be here

The President pro tempore of the Senate is revered on both sides of the alsle. He has given many very out-standing addresses on a whole series of

ly will give the people of America the assurance to move forward, as we can, as a great country, recognizing the proposition that faces us, and the recommendations that Rosest Byen has

I can only pay you the highest tribute. Senator Byan, After the Budget Committee adjourned, after listening to the Senator's presentation, a hardcore member of the Washington press. came to me and said, "Was that not the most thoughtful presentation that you have ever heard in front of the Budget Committee?" I said. "It certainly was. It was the most thought-

I highly recommend careful attention to what he will say. I listened to every word of it before. It is extremely time or and I sature my leader and my friend, Rosent Byen, once amount for his dedicated service to the U.S. Senate and, more importantly, to

CONGRESSIONAL RECORD - SENATE COMPLIMENTING SENATOR

COMPLIMENTING SENATOR
BYRD ON HIS SPEECH
Mr. LEVIN. Mr. President, I thank
the President pro tempore for his
courtesy. I actually was going to make
some comments on a totally different
subject. I understand that the Senator
from West Virginis has the floor, and
Just want to add something to what
Senator Exon said. I did not see the
full presentation, but I have had an

to take a moment before Senator Byan this subject and I, too, simply add my started his address. As a member of thanks in advance, because I know

for the entire time, but we talked about this yesterday. I would com-mend any viewer to stay tuned to hear

not be able to be here as he makes the believe that the domestic discretionary

this afternoon to return compliments. But I have stated it before, and I will have the opportunity, Lord willing, in the future to say some things about the case in the past decade. Senator Carl Levin.

wish to be interrupted, and I do not for the elderly, education, programs wish to yield until I have completed for children, the FBI, the Justice Deusing was, it was the most thought wish to yield until I have completed for critical, the Vall of the War full, considerate message that I have any statement. It will be very difficult partment, the war on crime, the war on crim colleagues.

Mr. President: Mr. President: V

This is a defining moment for the U.S. sistance to St. economy. There is a fairly broad consensus that the economy is suffering from neglect and preds fixing. Even the President concedes that something is seriously wrings and is zuerching for a new economic policy. At the same time, the field to attack our At the same time, the field to attack our and I could

Senate and, more importantly, to America.

America.

Mr. BYRD Mr. President, I can live ion 3 months on a 350-d compliment. I can live ion 3 months on a 350-d compliment. I can live ion 3 months on a 350-d compliment. I can live ion 3 months on a 350-d compliment. I can live ion 4 months on a 350-d compliment. I can live ion 4 months on a 350-d compliment. I can live ion 4 months on a 350-d compliment. I can live ion 4 months on a 350-d compliment. I can live ion 4 months on a 350-d compliment. I can live include the investment of vast sums of vast and are sufficient to make one of the status. I can live include the investment of vast sums of vast and are sufficient to make one of which is included to 1 months of vast sums of vast and are sufficient to make one of the investment of vast sums of vast

S 1343

it will take what President Bush describes

senator Exon said. I did not see the full presentation, but I have had an opportunity to chat with our dear friend, Senator Byrn, about the subject he is going to talk about. Indeed, I saw some of the charts.

We spent some time yesterday with a number of Senators talking shows a find of public investment. The first B a number of Senators talking shows

Mr. BYRD. I gladly yield to my distinguished friend from Nebraska IMr. Savene of the charts.

Exosi.

Mr. Exon. Mr. President, I wanted to take a moment before Senator Byan to take a moment before Senator Byan this subject and I, too, simply add my thanks in advance, because I know that the subject is and something privileged, in fact I was very honored indeed, to hear this whole detailed from Michigan, for one of the most independent of the most thoughtful intelligent, incisive present. I add my thanks, as a Senator Byan thoughtful and compelling presents. The first is a present add my thanks, as a Senator Byan the distinct that Senator Byan is about to thoughtful and compelling presents. prenticeship programs for high school grad-nates, are effective. We should not be alread to fund them generously.

Mr. President, if the press is inclined Senate is revered on both sides of the state. He has given many very outstanding addresses on a whole series of subjects while it has been my privileged to work with Elm closely in the 10 years that I have head the privilege of serving my constituents in Nebraska. Here.

I must say that for fill of the strait speeches I have hearly him make the one that he is bouy to deliver is, by far, in my opinion, the most thought out that have even heard him give. It is many thoughtful, but it hopeful; will give the people of America the into the able to be here as he makes the domestic discretionary of use who will. Nation in the flong run. That is a will not be able to be here as he makes the domestic discretionary of believe the domest discretionary of us who will. portion of the budget-the portion Mr. BYRD. Mr. President, I thank that funds America's investment in my friend, and I will not take the time taself and in its economic well-being must take a high priority and should receive a substantially greater portion of each year's budget than has been

The domestic discretionary portion of the budget provides the dollars for our Nation's infrastructure; our roads A DEFINING MOMENT FOR THE UNITED STATES ECONOMY
Mr. BYRD. Mr. President. I do not tal cleanup, agriculture, medical care for veterans; programs to provide as sistance to State and local governments, such as community develop-ment block grants, EDA, EPA, and programs to assist those who are unable to provide for themselves and

And I could go on and on and on.
But those programs that I have enumerated are sufficient to make one re-

February 7, 1992

much to every American looking through that television camera there today, that little runt puppy had a lift the runt puppy had a lift the runt puppy had a lift to the feeding pan. You can see that it amount to every a merican looking that the runt puppy had a lift to the feeding pan. You can see that it is deposit insurance on savings and looks like it has a the scratches. It is underfied, and the scratches it is an extremely fascinating that the scratches it has an extremely hard time making its way to that feeding pan because of the pit bullis that have been pushing to a were a preity clear picture of the Nation's goals and priorities. If we had time, we can get a preity clear picture of time policies that the Nation as chosen to emphasize. It is obvious that come of the policies that the Nation as chosen to emphasize it is obvious that of a decade the political less-terminating and so the policies that the Nation as any pensions, veterance of the policies that the Nation as the commodity Credit Corporation, veterance of the policies that the Nation has those the policies that the Nation has chosen to emphasize it is obvious that any pensions, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that the Nation has the commodity Credit Corporation, veterance of the policies that th

time, we can get a pretty clear picture of the policies that the Nation has chosen to emphasize. It is obvious that for a decade the political leadership of this Nation has robbed vital domestic programs in order to pump up defense and to fund entitlements.

and to fund entitlements.

The next chart displays the year-by-year increase for defense and entitlements, as well as the year-by-year cuts to below baseline for domestic discretion.

plation, over oaseine, during times 1 years.

Defense grew over baseline, over in fixton, 4824 billion during that period. But domestic discretionary, as we can see, suffered real cuts, totaling split to about one-eighth of the total split to obtain the fixton domestic discretionary as we hard, domestic discretionary, as the livest period to discretionary as the function of the total split to about one-eighth of the total budget authority in the Appropriations Committee.

Again, 1 say, the poent stift and domestic discretionary—which, in facility, 1 say, the poor little runt puppy, domestic discretionary—which, in facility, 1 say, the poor little runt puppy, domestic discretionary—which, in facility, 1 say, the poor little runt puppy, domestic discretionary, and domestic discretionary—which, in facility, 1 say, the poor little runt puppy, domestic discretionary—which is at 11 years, and the administrations decreased the proportional discretionary in other scalls, 13, percent of the budget is defensed.

131, percent of the budget is defensed.

132, the poor little runt puppy, domestic discretionary in other scalls, 1, percent of the budget is defensed.

132, the poor little runt puppy, domestic discretionary in other scalls, 1, percent of the budget is defensed.

133, the poor little runt puppy, domestic discretionary in other possible from one-sighth of the total budget at the proportion of the budget is defensed.

134, the proportion of the budget is defensed in the proportion of the budget is defensed.

135, the poor little runt puppy, domestic discretionary in other proportions.

136, percent of the budget is defensed.

139, the proportion of the budget is defensed in the proportion of the budget is defensed.

131, percent of the budget is defensed.

132, the poor little runt puppy, domestic discretionary.

134, percent of the budget is defensed in the total budget is defensed in the proportion of the budget is defensed.

135, the poor little runt pupp, domestic discretionary.

135, the poor little runt pupp But the poor little runt puppy, domestic discretionary, which means so much to every American looking through that lettle runt puppy had, a little runt puppy had, a little

The next item is "all other." Instructionary the pear 1990, domestic discrete represents such items as unemployment insurance, the Civil Service Retirement Disability Trust Fund, and so on.

The next item is mandatory and entitlements. That represents 18-2 percent of the budget. What are we talking about child nutriton, food stamps, Medicaid, Commodity Credit Corporation, veterans' pensiona, veterans' compensation, and so on. These are mandatory. We have to pay them. They are decided by basic law. The Appropriations Committee has no jurisdiction over that law.

The next item is "all other." Insurance for the year 1990, domestic discretionary building the provide provide authority was 2169-3 billion. As Senators can see, we had so 1890, building the provide of the size of the post of the provide of the pro

The next item is "defense/interna-

west increase for cerease and enturing the second of the s

But over the past il years, that vital through 1991, entitlements went portion of our budget has been steadily shinking. We have made delibering when the policy decisions to distincest—to distincest—to distincest—to a tarre our title discretionary spending, the red title discretionary spending the semicircular black line represents the total budget in the total budget in other words, there is line, declined steadily under inflation to have been the total budget for which the Appropriations Communitee does not appropriate only the propriations of the propriation of the propriations of the propr own economic customs.

It needs to run efficiently.

Here beside me is a chart. It shows the cumulative increase or decrease in outlays for entitlementa, defense, international, and domestic discretionary spending for the fiscal years 1831-indige for fiscal years 1831-indige for fiscal years 1831-indige for fiscal years 1831-indige for fiscal years 1841-indige for fiscal years 1851-indige f

rummit f did it because of the devas tation of critical programs that had

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Now, let us go back to the chart. The

green line that goes up on the chart is taseline, as computed by the Congres-sional Budget Office. For listal year 1983, the baseline for domestic discre-tionary rises to \$211.3 billion. That is

start of the ingressions. The reverse the damage caused by the cutr between 1981 and 1999, but it represents the damage caused by the cutr between 1981 and 1999, but it represents the damage caused by the cutr between 1981 and 1999, but it represents the second of the

ment deficit, an infrastructure delicit.

Now, let us 30 back to the chart. The green line that goes up on the chart is tracelline, as computed by the Congressional Budget Cifice. For literal year 1992 through listrations proposed defense cuts to 343.5 billion. That is the second 211.3 billion. That is the second 211.3 billion. That is the second 211.3 billion. That is the words, we need 211.3 billion into the swords, we need 211.3 billion into over last year. But the administration has requested only 220.2 billion a cut of \$8.4 billion below inflation.

Now, that is this year—now. We have not true our budget resolution below inflation.

Now, that is this year—now. We have not started the appropriations billis yet. We have not started the appropriations billis yet, we have not started the appropriations billis yet, we have not started the appropriations process. But we can see that we are going to have a tought the budget authority independent of the sword of the sword the budget authority in the wear to surply all of those defense study the budget authority in the wear to surply all of those defense study the budget authority in the wear to surply all of those defense study the budget authority in the wear to surply all of those defense study to formestic discretionary it we love the budget authority in the wear to surply all of those defense study to formestic discretionary it we love the budget authority in defense one of the spend of the sword of

1993. That was \$80 billion higher than read it again. But it is America's bread budget document. Here on the desk is 1993. That was sub billion higher than read it again, But it is America's tread the the budget document. Here on the desk is the administration wanted it at the and butter, start of the encytations. It was not Now, if we look at the chart which nearly enough, of course, to reverse above the budget troubled to the damage caused by the cuts be laration's proposed defense asympton.

for 1994 it is 38 Dillion, was accessed.

Therefore, if we total up the administration's budget authority tartitions proposed defense cuts for ifscal year 1992 through itstal year in the state of the state of the administration's budget authority in administration's bud

to come up short at the end of the come up short of the end of the en

in total, them, for the next 3 itseal persons, the administration is requesting from cuts of \$46.1 billion in budget authority below inflation for domestic discretionary. On the president who will be supported in the president who is a first president who will be supported in the president will be supported in the pre

ary, and that we must not cut defense below \$50 billion over the next 5 years. The President is recommending a \$50 billion cut in defense over a period of 5 years. On the other hand, look at what he is recommending as a cut in domestic discretionary: \$122 billion

over 5 years.

Looking back at the chart showing proposed defense cuts, we see that the administration is proposing cuts totaling \$50 billion in budget authority and only \$27.4 billion in outlays for de-fense through 1997. If we were to cut defense only to the level proposed by the administration, and if we were to apply every dollar of those savings to about very domary, we would still fall \$72.2 billion short in budget authority and \$79.5 billion in outlays

sources that so strongly influence our long-term economic and productivity

which are representative of his administration's recommendations. I do not believe he is aware of it. And I do not believe that Senators are aware of it. but they are going to be aware of it. Decause I am point to any the aware of it. They are going to be aware of it. They are going to the aware of it. They are going to know what they are doing, and, in my feeble way, the American people are going to know what we are talking about here.

We have all of these glowing reports and increased its productivity 2.4 percent. The clark English provided Formal invested 1.5 percent. The first element of the special storage in the compete in the compete to be observed and provide wirely and the stand further scholar our public investments were fall further and further scholar our public investments our public investments and productivity by 3 and invested 5.5 percent. The then Pederal Republic of Germany invested 1.5 percent. The then Pederal Republic them to the public transmitted for the public transmitted for the public investments our public

north, invested 15 percent and increased its productivity 13 percent.

The United States invested a pairry three-tenths of 1 percent of its grow domestic product and had a likewise pairry productivity growth of only sixtenths of 1 percent.

What do we have to show for our light-tent infrastructure that is excitantly of 1 percent.

tenths of I percent.

Herner, we can clearly see the relationship between nondefense public investment and productivity growth. Increased public investment clearly translates into increased productivity translates into increased economic growth and more jobs, a higher standard of living, the ability to better compete internationally, and enhanced national security.

ty. So, it just stands to reason—in law, growth. we talk about the reasonable man—it I was just stands to reason that this should tives wh

apply every dollar of those savings to domestic discretionary, we would still fall \$72.3 billion short in budget authority and \$79.5 billion in outlays below inflation for domestic discretionary over the 5-year period.

Mr. President, we should not accept such an existeration of this Nation's vital domestic needs.

Mr. President, we should not accept such an existeration of this Nation's vital domestic needs.

For too long, we have chosen to ignore the needs of our children, and we have chosen to ignore the needs of our children, and we have chosen to ignore the needs of our children, we have chosen to ignore the needs of our children, we have chosen to ignore the needs of our children, we have chosen to ignore the needs of our children we have chosen to ignore

hog.

Life was hard, but I learned on that
little old farm that the more fertilizer.

and, in my feeble way, the American people are going to know what we are and increased its productivity 2.4 percent. And there are many who to the remainded in the productivity 2.3 percent and increased its productivity 2.3 percent. Sout how much of a peace dividend is out there. And there are many who out there. And there are many who could be recent. Canada, our neighbor to the defense cuts on domestic discretion match, inwested 1.5 percent, and the productivity 2.5 percent and interpretation of the productiv together to excavate a tunnel beneath the channel to bring their two coun-

What do we have to show for our

productivity, and private employment

States will not even be a major player. It remains to be seen whether or not we will be able to even get onto the

We seem to be the only major industrialized nation in the world that does not understand the connection to the direction of the productivity growth. Our competitors certain the bigger the towastone and the staller and the roses will be roller and the roll

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EX10 (cont.)

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CONGRESSIONAL RECORD - SENATE

Benjamin Franklin said, "If a man 6 years. But ask your wife ask your There sat those ooxes. They had

What happens to a business that does not adequately invest in new capital equipment and the education and training of its work force? Eventually, that business fails further and further behind its competitors and eventually has to close down.

The proposed reductions of a few bill for every strategic systems and a bit of force strategic systems and a bit of force that the same old salami. The same in the same old salami, the same in the

Mr. President. The world has changed dramatically since the budget summit. The cartographers of this summit. The cartographers of this summit. The cartographers of this country have been kept busy making new maps. They have been kept busy making new maps. They have been kept busyer than a one-time gaperhanger with the itch. Every day there is a new map because there is a new country or an other country has slipped away from brining the form Curtain.

Mr. President, I do not know how then the state busyer is such at the cacher that's about \$10 billion more than the more than the

Designation Fleating Salo, it is mail to years. But ask your wife, sak your linere sat those doxes. They had apparent can take it away from him. An invest-constituent on the telephone, and you been stitling there. They had apparent constituent on the telephone, and you is the matter of the 1981s.

That is the path that we are of as a nation. Mr. President the would have a change of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country to the European cannot be used to the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance of the Sourier U.S. Forces in the European Country and a remaindance requires the first that's of little use to cilillon is stuff that's of little use to country, and a refashioning of the appropriate roles, missions, and forces. That is the watchdog arm of the Congress. " \* least of all the military and in the rest to years," said Lesiery State (1988) billion—Off that \$100 billion is stuff that's of little use to country, and a refashioning of the appropriate roles, missions, and forces. The last of any credible threat from the congress. " \* least of all the military and in the rest to years," said Lesiery State (1988) billion—Off that \$100 billion—off that \$1

changed dramatically since the budget summit. The cattographers of this country have been kept busy making new maps. They have been kept busy making new maps have been kept busy making new maps have a new country or an other country has slipped away from schoolhouse in Mercer County, was talking with my wife just the other evening. What was that geography is tudied. That was the geography I studied. That was the geography I studied. That was the geography is tudied. That was the geography in the new maps have taken on the problem of blocked inventories of defense stocks. Senator laws taken on the problem of blocked inventories of defense stocks. Senator laws the geography in the new maps have taken on the problem of block of the problem of blocks. Senator laws the geography in the new many of the problem of block of the problem of block of the problem of blocks. Senator laws the geography in the new many of the problem of block of the problem of block of the problem of block of the problem of blocks. Senator laws the geography in the new many of the problem of blocks. Senator laws the geography in the new many of the problem of blocks. Senator laws the geography in the new many of the problem of blocks. Senator laws the geography in the new

empties his purse into his head, no one can take it saws from him. An investment in knowledge always pays the best interest."

We are talking about brain power. This is another reason why we need to increase the quality of education in this country so that the students of the future, the leaders of the future, no our farms, in the mines, in the office of the challenges in our farms, in the mines, in the office of the challenges they will face the for the challenges they will face the for the challenges they will face the for the challenges they will face the form the challenges they will face the form the challenges they will face the sum of the formula for economic failure.

The bugget decisions we have made over the last decade represent a formula for economic failure.

What happens to a business that does not adequately invest in new can do that same cooked salami, it was made to the conduction and training of its work force? Eventually, that business fails further and further.

The bugget decisions of the challenges of the future are the formula for economic failure.

What happens to a business that does not adequately invest in new can cooked salami, it was one old silices.

The proposed reduction of the challenges of the future are the salamic than a cooked salami, it was one old silices.

The triple will first the first the military can safely be called the military can safely be called the military can safely be considered to the future of the future of

I will go back to what she said.
"The General Accounting Office
5833 \$35 billion—billion—of that \$100

ence of U.S. forces in the European What a comedy of errors. Can you theater and elsewhere.

Further reductions in SDI, in bombrand in other common of the common of the

EX10 (cont.)

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CONGRESSIONAL RECORD - SENATE

gram, the administration has become as fond of this woolly, high beast that it will only agree to give it a highest to the particular problems created by the principal problems of the united by the principal problems of the united by the properties of the united by the prop

We have battled our international adversary for so long that we are now more like him than we know. He hasnes is necessary, there are now more like him than we know. He hasnes is necessary there are the history vitabilishment of the provisions in the Budget Endows the soing to happen to his object that the provision that his provision that the provision that the provision that the case prior for too long, he has wante to do the same.

For too long, he has wante to do the same of provision which requires committees of the Budget summit square to tkeep his people occupied, and now we want to do the same.

For the long, he has wante to do the same.

For the long that the provision which requires committees of jurisdiction to pay for new entitlements of the Budget summit square to long the long to the budget summit square to provision which requires committees of jurisdiction to pay for new entitlements, and the summit summit such that the case prior to the budget outlay savines to be used to offset the case prior to the budget in crease in the new have the hacture and the willower to look sheak and correct our course.

The military establishment, as we know it, cannot substitute—it cannot s

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and fall to provide Federal moneys to the State and local governments will only serve to weaken out fever will only serve to weaken out for the same of the serve to such that the peace dividend Mr. President, we have a real chance of Columbia government is contemplating, and as the District of Columbia government is contemplating and as the District of Columbia government is contemplating and as the District of the newspaper today. They will simply raise their taxes, and this piddling, meastly refearal tax cut for working families will just be gobiled up. The American taxpayer will be saying. "Where's the beef?" when it is gobiled up.

The American tax out for the district of the server the server the server the server to weaken out to the substantial investments in the server to make a substantial investments the hearings conducted by senator Sassas many opinions as there are as many op

saying. Where's the beef?" when it is gobiled up.

Economists have pointed out that any shout one-third of Federa Las. And the American people know the constitution of Federa Las. And the American people know to the constitution of Federa Las. And the American people know to come the federal that the same that the same term of the countries. The other two-thirds would likely go toward reducing debts, say the economists, or would be saved. The collect last working families of this Nation certainly need some tax. Fellef. But if it a done, it should be done by shifting the burden within the Tax Code to the higher income taxpayers. There are a lot of economists in this country today who tax even saying that there should not be any tax cut at this time. As a matter of fact, they are saying that there should not be any tax cut at this time. As a matter of fact, they are saying that there should not be any tax cut at this time. As a matter of fact, they are saying that there should not be suffered to five the color day. But with all the critical unmet needs that we are facing—from increasing our investments in education and intrastructure to affordable right mow to start.

Any Senator may call his State high.

ductivity, our assaudant of international an allowant to be created as the state of the samples and highway commissioners marketplace, and our long-term ecomonic security. And, of course, ecomonic security. And, of course, ecomonic security. And of course, ecomonic security.

up. The American taxpayer win be laying, "Where's the beef?" when it is gobbled up. Economists have pointed out that Economists have pointed out that it is election year politics.

increasing our investments in education and infrastructure to affordable
health care for all Americana—this is
not the time to reduce revenues
through lax cuts.

The President of the United States
and the Democratic candidates are
saying we need a national health care
plan, and we all know that it is going
to be costly.

This is not the time certainly to
reduce revenues through tax cuts.
Economists further suggest that cutting taxes in an effort to stimulate the
comony la li Lavised and would likely
have adverse long-term economic consequences, thus diminishing prospects
for robust long-term economic growth.

I also want to be clear-and to use same kind of dust on her fingers. The

nomic security, and, of course, connomic security translates the national pay for tax cuts. I will oppose it. The state into national pay for tax cuts. I will oppose it. The state content problems nor provide substantial tax relief for working families. The states are too high to piay polistantial tax relief for working families. The states are too high to piay polistantial tax relief for working families. And those states are not high to piay polistantial tax relief for working families. And those states are not high to piay polistantial tax relief for working families. And those states are not high to piay polistantial tax relief for working families. Nation. And those states are not high to piay polistantial tax relief for working families. Nation and those states are not high to piay polistantial tax relief for working families. Nation and those states are not high to piay polistantial tax relief for working families. Nation and those states are nothing as a first work 52 percent. In that same poll, only 8 tion to our economic woes lies in the percent said that they thought a one-tax-cut fever that has been sweeping the propose and stab follion.

I believe I heard Senator Sasser, the chairman of the Senate Budget Com-mittee, recently say that the combinathe story of the proposed tax cuts will not help them as much as jobs, lobs, lobs and a growing economy.

Moreover, if we cut Federal taxes and fail to provide Federal moneys to a more fail to provide Federal moneys to a more stated to the proposed tax cuts will not see it.

Like the flue epidemic which has a money and fail to provide Federal moneys to a more fail to provide Federal moneys to a more state of the proposed tax cuts will not see it.

Like the flue epidemic which has a money so a more state of the see and layoffs of State and local taxes and layof m excess of \$35 billion. Well, what do we do about it? What do we do about it?

note that all kinds of experis came before those committees. And I am going to invite a few of those experts

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February 7, 1992

become so discouraged that they are no longer seeking work; and an addi-tional 6.3 million Americans on part-time employment, who want full-time employment, making a total of over 16 million Americans who are either job-less or are underemployed today. 13 percent—13 percent. Nobody at the budget summit fore-

saw that I out of every 10 Americans would be on food stamps in January 1992. Nobody foresaw at the budget summit that business bankruptcles say that I out of every 10 Americans ment by 39 percent, or 8.000 vocates.

And so on and so on.

And so on and so on.

The disturbing day-to-day news concerning largeful the Cuban cerning largeful and shutdowns results year would amount to 73,000 miles set year would amount to 1000 miles the stay one mentioned that the stay one mentioned the stay one would present a bankruptices filled would amount to 919,908 last year. Nobody which amount to 919,908 last year. Nobody sould possibly foresee such develop-father of Malcotins. could possibly foresee such developments.

ments.

There are some other things we could not foresee. I am reading from a document by the Wall Street Journal titled "Plant Closings Or Mass Layoffs." November 1-December 31, 1991.

Will not read all of this but I will just select a few of the itema. Beginning in November 1991:

jour.

Bethlehem Steel Corp. amountes it will end its participation in the light structural steel industry which will shad its employment by 25 percent, or 6,500 workers.

Beginning in November 1991:

Twas born in 1817, the year in wince
Dears & Company, 1900 semblyees, May
Denarties of Stores Company, plant to conpoints its Recht's and Thailmore department store divisions, resulting in eliminations divisions, resulting in eliminations 450 Thailmore's employees.

Ford, GM, and Chrysler, Finnt shutdowns
Ford, GM, and Chrysler, Finnt shutdowns
because of store miss will lide more than
2,000 hourty workers for 1 or 2 weeks.

Chrysler, and the store of the proposed
Chrysler, and the store of the store of the proposed
Chrysler, and the store of the store of

Charron Corp. announces semployee reduc-tions of at least 2,306 as a part of an effort to cut out high overhead and operating est-tenance. Tuchislogies Corp. announces a l'anized Tuchislogies Corp. announces a restructuring which will eliminate 13,800 the size of a beach ball, circling the Earth. making 1 revolution every 98 Earth, making 1 rev Earth making I revolution every so minutes, traveling at the speed of 18,000 miles an hour, meanwhite emit-ting beep, beep, beep signals. It came as a shock to the American people. In 1962, we went through the Cuban

i think our country sinks beneath the it think our country sinks beneath the can in a matter of a few minufes. 
yoke it weeps it bleads and each new days 
After 13 days Khrushchev backed göwn. 
Then in December 1979, the Sowiels

who is tween, it hieses and each new day a mah is sedded to he wounds.

Each new day, Mr. President, we read of tha despening whuchts to our the country and its economy.

Mr. President, we have all lived through the cold war together.

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In the year 451, Attila, king of Huns, the "Scourge of God," the "dread of the world" invaded the Gothic heartland and the last Roman

because of slow sales will ide more than 20,000 hourly workers for lor 2 week.

That was on November 13.

Nyner Co., which is a telecommunications computer industry. Restructuring initiative to cut the work force, consolidate or shut down some unitative for the processing will international Paper Co., 1,000 cm. ployees affected.

International Paper Co., 1,000 cm. ployees affected in 1992 on top of the more than 20,000 jobs eliminated in 1991. Twenty thousand, the number of employees affected.

Tenneco, Inc.—Tenneco's JI Casse unit, which makes farm and construction equipment, plans to lay olf 4,000 more workers. It has already eliminated 5,000 lobs since 1990.

The pilots called it "Operation Vitics." And it lasted its months. There are given the special and the British and Co-tifute, and the second of the maker farm and construction equipment, plans to lay olf 4,000 more workers. It has already eliminated 5,000 lobs since 1990.

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that faces Americans coday is the pinds of the sale with slip.

Mr. President. I have liver a long time, more than the 70 years promised by the Psainkist. I was born during the administration of Weodrow Wilson, in World War I My mother died on Armistice Day 1918. I lived through World War II, the Korean war, the Yietnam war, the war in the Persian Guilf. I saw the Great Depression. It is more than just a faint memory to me. It is not something that I have just heard about from parents or uncles or aunts or grandparents. It is something it all we wond thing that I have just heard about from parents or uncles or aunts or grandparents. It is something it seem to be uncleased to the sale in the summit. We have to tell the people the truth. I do believe that there can be good any the total band to students who want to study have some peace with Send to teach difficult math problems, or science in the cash nits of death of the sale with Send to the summit of the sale with Send to the sale with Send to the summit. I do believe that there can be good any the total band the students who want to study have some peace with Send to teach difficult math problems, or science that it is not something that I have just heard about from parents or uncles or aunts or grandparents, it is something is wifered.

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something I felt, something knew, something I suffered.

But even in the Depression, even in the dark night of despirit, we saw the bright star of hope. I have seen this country in hardyines and in prosperity. But there his always been hope. There was hope in those little shantles, in those coal mining towns, when millions of Americans walked the Street was the star of the proper when the star of th

about what is going on in this country today. There is something fundamen-

Areas Defy Him. Putting Fate Of Union In Doubt." "Collapse of an Empire."

The Washington Post, August 28, carried the headline. "Gorbachev Says U.S.S.R. on Verge of Collapse."

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"U.S. News & World Report on its cover carried the historic words, "The teach when they have to spatid their to the streets."

Language. I have heard it—proton that the schools from the streets, head in the schools from the schools from the streets. The Washington Sold that "Golds have shill down. Assembly lines the post of the proton to the ship of the ship of the proton to the proto U.S. News & World Report on its cover carried the historic words, "The End Of Communism," "Russia Reborn."

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willing to keep trying.

We must spend more money on edu-

is not a free lunch. Remember David And all things saved do bless him. today. There is something fundamental hadrock charge going at undamental bedrock charge going in this country. Our country is not like it was. It is sileping.

A few days ago, the President gave the State of the Union Message, his fourth. But it was not the State of the Union. Much restain to be said. There is a spiritual grate of the Union All the Market of the Union Much restain to be said. There is a spiritual grate of the Union and the major as the state of the Union Much restain to be said. There is a spiritual grate of the Union that needs to be addressed. We do not

not? But we can fix it. Let's just tell the American people the truth. Forget

Inside the magazine. "Pollowing the failed coup, a new sige has dawned in the Soviet Union. The Communist Tarty is effectively dead."—effectively dead.—And so, Lenin.—the has ald, "We shall destroy decything, and on the ruins we shall thill dour temple," is good. Twenty-five the ruins we shall thill dour temple," is good. Twenty-five the ruins we shall thill dour temple, "is good. Twenty-five the ruins we shall thill dour temple," is good. Twenty-five the ruins we shall thill dour temple, "is good. Twenty-five the ruins we shall thill dour temple," is good. Twenty-five the ruins we shall thill dour temple, "is good. Twenty-five the ruins we shall thill dour temple," is good. Twenty-five the ruins we shall thill dour temple, "is good. Twenty-five the five the ruins we shall thing goes.

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Department budget more. It is silly My little dog, Billy, knows better than

Mr. President, I still believe in the future of America. I believe it needs leadership, and it can have leadership. Both parties can give that leadership. We have to quit kidding ourselves. It Won't be easy to straighten the coun try out. We are going to have to have the President's help.

I close with an inscription that an pears on a monument to Benjamin Hill in Atlanta, Georgia, a former United States Senator:

Who saves his country saves all things,

EX10 (cont.)

AMERICAN FAMILIES WORKING LONGER, NOT

the leader of the world" he said distance in the leader of critical American society of cruss. the homeless and educations of the said of the "Me General Strupt Parison Sanapaspa, Constitute attitudes of the "Me General Strupt Parison Sanapaspa, Constitute that the least 10 years," he said, at that America that reached the recovery that the number of engine produce goods has pone down away then criticized the "convergence of its junk bonds, levery yout and large loans that require because of its junk bonds, levery yout and large loans that require rest payments. These things, which of years," Milyaavas continued, "Alon Economy away the continued of the product of the parison of the sincation in the least of the parison of the parison of the speculation for the seconomy." The staff stody, "Pamilles on a Treadmili work and large loans that require the hiele is lacking as far as that are is a different only the parison of the parison of the Senator of the parison of the

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CAYETANO GERARDO Lihue, Kauai, Hawaii

March 24, 1992

I am Cayetano Sonny Gerardo. First I want to take this opportunity to thank you for affording me to speak on the Draft Environmental Impact Statement for the Strategic Target System Program proposed for Barking Sands, Pacific Missile Range Facility, Kauai. Although I am employed by the County of Kauai and a public official, my testimony is given as a private citizen. I hope that despite the many people who have spoken before me, my input will be worthy for you in your decision-making capacity in determining what will happen with the STARS program on Kauai. I am hopeful that my testimony will not be too repetitive with other testimonies and that you will find materials in my testimony which can be useful for you in aiding decision making.

Tonight what I offer in testimony is in regards to everyone's concerns, and that is PUBLIC SAFETY and the need to assure their safety and protection regarding this proposal. People believe that your proposal have risks for them and I agree, but despite these risks I think that the risks should be weighed along with the benefits of your proposal. Tonight I am not here to clarify the need to retain the nation's National Defense and Security strong to protect our freedom and independence because I have strong convictions that you will provide this to us; I am not here also to explain why research and development to keep our military's technical capabilities as strong and best as it can be because I am confident that you will explain this too, and finally, neither am I here to destroy your credibility because you choose to retain our nation free from foreign powers who want to destroy us. I am here, however to address the need for PUBLIC SAFETY and the need for EMERGENCY CONTINGENCY OPERATIONS CAPABILITY just in case it is needed because of an accident during launch operations.

Before I proceed with the primary theme of my testimony, permit me to remind everyone that without the STARS Program and its associated hazards, Kauai now faces daily dangers. These potential hazards are necessary however, because without it, our environment would be threatened and perhaps destroyed and us along with it.

EX11 (cont.)

Sewage Treatment Plants provide potential dangers for all of us because of the amount of chemicals needed to operate the various plants throughout Kauai. Chlorine is dangerous when released into the atmosphere but when controlled, it provides an agent to keep our environment clean and free from affluent. Despite the hazard however, we permit it to exist on Kauai because of the benefits we get back from these sewage treatment plants.

While it may be unfair to compare a Sewage Treatment Plant with a STARS Program, I am making a point in that both examples have risks associated with it and both also have benefits. The major difference in both examples is their magnitude of impact. The sewage treatment plant have a benefit to only us on Kauai while a STARS Program benefits the nation as a whole and possibly the world. We must remember to maintain the same standards of public safety and emergency operations to both examples above, however because if we still maintain that the sewage treatment public safety concerns are acceptable to us, then we must also logically assign the same public safety standards to the STARS Program.

National Defense and Security is critical to all of us. Our way of life, our liberty and our pursuit of happiness guaranteed by our U.S. Constitution would be in jeopardy should our national defense and security be weakened. What we know as the American Way of Life will no longer exist for us and I don't believe that anyone here accepts this risk. Yet when programs to protect this is proposed, there are those who are narrow minded enough to believe that what it takes to preserve it is too risky. War is hell, there is no doubting that, too many human lives have been destroyed in protecting our liberty and freedom in the past. I am confused as to why our forefathers and ancestors have given us our liberty and freedom, because there are those who do not want to retain it any longer or are naive enough to believe that it will never be taken away from us.

Earlier I have promised to speak on PUBLIC SAFETY and EMERGENCY MANAGEMENT PROCEDURES associated with the STARS program and I will keep to that promise. The initial launches which was first presented to us was that there would be four (4) launches a year. I believe that I have read somewhere that more launches are to be added. Despite the increase in the number of launches, the factor of safety remains the same and that is "the safety of the people should have a high priority. We need to be assured that our

basic safety will be guaranteed. I feel that reasonable risks are acceptable and that we can depend upon the Army and those others involved with the program to provide maximum protection for us during the planned launches at PMRF Kauai Test Site. I don't believe we can accept HIDDEN AGENDAS from the military. Hidden Agendas have been common in the past, and I believe that those in opposition to the program remembers these past mistakes of the military. I believe that they are opposing the STARS program because they still believe that the program is linked with NUCLEAR ARMS. They don't trust you and they will continue to mistrust you until you restore their confidence and trust.

To be sure, I have read your DRAFT EIS and find that all of the concerns regarding safety and emergency procedures are in-place and adequately address the people's concerns for public safety and emergency operations. Dangerous fuels that are to be transported will be minimal and should it occur, adequate precautionary procedures are planned. I am confident that you will reduce any emergency situation to a minimum.

The hazards at the launch pads are also adequately addressed. I remember that as an employee at the PMRF in the 1960's and early 1970's PMRF conducted rocket launches then. The number of rocket launches were about the same as is being planned now or perhaps a few more launches. Safety was adequate then and I believe that it is still adequate today. Technological changes have occurred throughout the years, and I believe that these changes have caused improvements in public safety operations also.

What I have touched upon in my testimony are issues that I believe to be the real issues for the STARS program. Other topics have been introduced and required to be investigated by you through the means of the EIS. These topics are a means to distract from the real issue. To me, I believe that PUBLIC SAFETY CONCERNS and whether or not EMERGENCY RESPONSE procedures are in-place in case of an accident which requires emergency services during your launch operations and I believe these are the only real issues. I strongly feel that your proposal of launching from the PMRF Kauai Test Site is necessary for our National Defense and Security and therefore should be approved to go ahead.

EX11 (cont.)

Secondary concerns regarding the environment are also important, but I believe that these concerns are adequately addressed in your draft EIS. I also am concerned about all living things and that they should be protected also. The ecosystem in which our living system depends upon is also precious and should be preserved. Your draft EIS, however, have addressed these concerns adequately. I am convinced, however, that there will be those who will disagree with my opinions but it is okay because this is what make our country great. We have the right to disagree because reasonable people do not agree all of the time but disagree in many topics and subjects. I listen to their arguments and rationale and I am hopeful that they too, are reasonable people and would allow me my right to speak my mind and opinions. After all, I believe that this is the reason why research and development is being proposed here, and that is to retain our right to be free in mind and spirit.

Members of the panel, I appreciate this opportunity to have spoken my thoughts and my feelings. I sincerely hope and pray that the decisions to be made regarding this STARS program will be allowed to continue. My children and their children after them depends upon having a free nation to exercise their freedom and to express themselves without the fear of reprisal when they do. By my work in emergency management, coordination involve mitigation also and I believe that the military has demonstrated their capabilities in safety management and emergency procedures. After all, I have worked with some of you in our disaster in 1982.

Many believe that the cold war is now over and I agree. Despite this however, I also believe that world tension is still with us and is still a problem. The problems in the middle east will not merely fade away to be forgotten. Saddam Hussein is still around to restart warlike conditions for the world. We cannot relax our preparedness in maintaining our national defense and security.

Lest I be misunderstood, let me say that I too fear war and the threat of what it brings to the world. The many lives that has to be given as in past wars are useless and stupid. However, when our lifestyle and freedom is threatened, we must take every means to make an attempt to preserve it. I also love life and I want to

go on living because I believe that life is beautiful. I also love my peace and freedom as much as anyone here tonight. I am also a realist in that I can appreciate what has given us this freedom and ability to pursue our happiness. I also don't object to people working for their livelihood and if people are being threatened for the possibility of losing their jobs, I believe that this is unfair.

I believe that the most unfortunate aspect of the resistance regarding your proposal of rocket launches on Kauai stems from people's fear of your hidden agendas. In the past, hidden agendas were natural expectations from the military. I point the secret project on Kauai during the Vietnam war period. Agent Orange were being tested on Kauai without anyone knowing of the tests. Those who had knowledge about the project did not reveal it to anyone. While I am aware of the concept of NEED TO KNOW, I also am aware of the need for divulging information that is necessary for the public to know. Minimal information regarding the project could have been told to the public without causing any panic at that time. However, because hidden agenda is a natural aspect of military operations, nothing was said to the public regarding the project. This is a prime example of why the public fear any project that involve the military. I almost guarantee you that people's fear in the launches are basic to their fear of nuclear arms.

With the above statement, I suggest that somehow to gain the public's trust, you will need to mend many fences. You will have to show us that the military are credible people.

March 23, 1992

#### TO WHOM IT MAY CONCERN:

I am Edward Kawamura, President of the Kauai Veterans Council and regret that I cannot be here tonight to testify on behalf of the Kauai Veterans Council as we continue to support the STARS program. As we are all veterans of the previous wars in which we all so gallantly fought, we can see what it is not to be prepared.

As the United States Navy pulled out of Subic Bay, even the people of the Phillipines were sad as they know it kept enemy countries away from them.

Unfortunately, we will be unable to protect ourselves. I still say we are the silent majority, as the vocal ones are at it again.

Thank you,

Edward Kawamura, President Kauai Veterans Countil



MISSILE WARHEAD IMPACTS IN THE

WE ARE ABAINST ANY OF YOUR FACIST ACTIVITIES

ANYWHERE YOUR STAR WARS PLAN IS BARBARIC.

TO THE USE REAGANS WURDS. GO WATCH THE

MOVIE AGAIN — YOU MISSED THE END.

MICHARL SUSSMAN ANAHOLA, KANAI EX14

It's disturbing that many of the PMRF employees are displaying obnoxiousness and immatisity tonget. Also, several of them, are smelling of alcohol, which must explain their actions, being that PMRF hires raduct employees. One particular man so threatening an older woman carlier, and using obscene language. I don't know what you can do to stop it, but please remind these people that they are representing the PMRF in an extremely negative fashion.

Matthew Kaepit, Fr. 4676 Mailihuna Rd.

Kapa'a, HI 96746

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EX15

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THANK YOU FOR HOLDING THE PUBLIC

I AM APPOSED TO STAR WARS MISSILES

HOW MANY TIMES DO WE HAVE TO SAY THIS BEFORE THE GOVERNMENT LISTENS?

Name MARY MULHALL

Address 1210-A CROSSLEY

APAA NI 9674

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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EX16

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801 EX17

## KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

ure are totally against star wars activities on known. The issue of green distroying the ozone must be addressed!

Quetal Sussman

EX18

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments of the Draft Environmental Impact Statement for the Strategic Target System.

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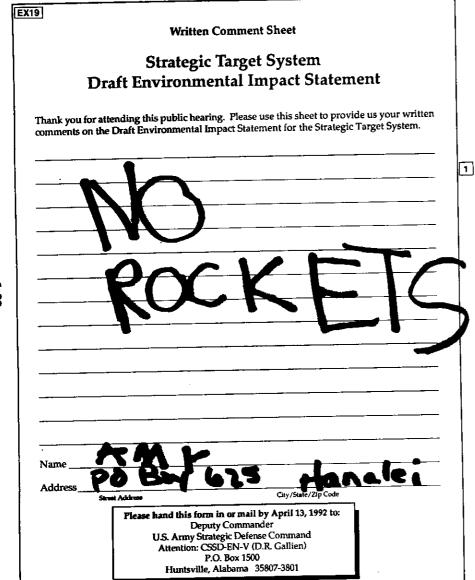
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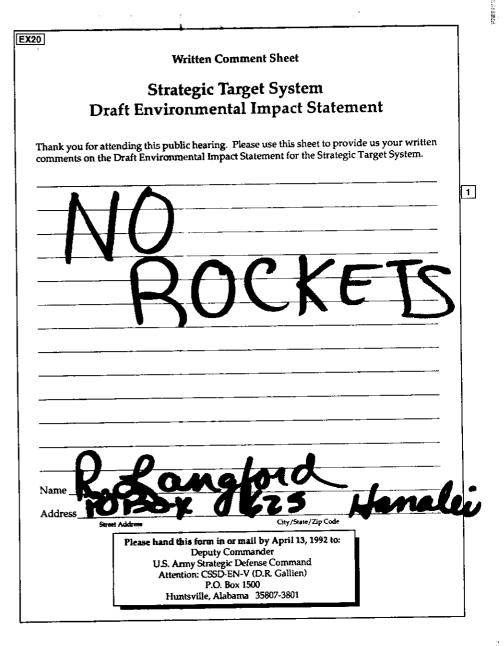
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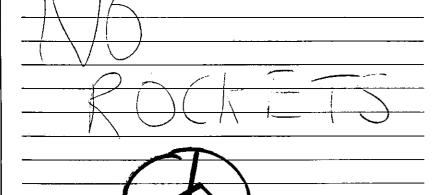




#### Written Comment Sheet

## **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.



City/State/Zip Code

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Huntsville, Alabama 35807-3801

EX22

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#### Written Comment Sheet

# Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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> Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

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	Written Comment Sheet
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Draft Environmental Impact Statement	
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Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801	

#### Written Comment Sheet

## Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

EX26

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## TESTIMONY FOR THE STARS DRAFT EIS REVIEW

Thank you for allowing me to submit my written testimony for the DRAFT EIS for the STARS launches.

I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS for the STARS program and I am convinced that there would be no significant impact caused by the STARS launches.

In fact, I am convinced that a far more negative impact to the Island of Kauai and the State of Hawaii will occur if the protesters to the launches are allowed to stop STARS launches from taking place.

The commanding officer of PMRF has said that the STARS program provides a portion of the budget for PMRF, but that PMRF will not be affected if the STARS program were not there. I DO NOT AGREE.

First, the CO is a military career person who is at PMRF for a short time only, and he will be moved to another assignment when he leaves Kauai. I am convinced that the CO is parroting what his superiors direct him to say. I am also convinced that he has no vested interest in the people of Kauai, especially those who have given many years of their lives in support of programs at PMRF and the entire populace which would feel the economic impact if PMRF were to close.

My reason for concern is that this case has the potential to be like that of the old story: "For want of a nail the shoe was lost, for want of a shoe the horse was lost, for want of a horse the battle was lost, for want of the battle, the war was lost."

I BELIEVE THAT THE PEOPLE PROTESTING THE EIS HAVE AS THEIR LONG TERM GOAL THE CLOSING OF PMRF, AND STOPPING THE STARS MISSILE LAUNCHES IS JUST THE FIRST STEP!

As a concerned citizen of Kauai, I wish to go on record in SUPPORT OF THE STARS MISSILE LAUNCHES and the Pacific Missile Range Facility.

> Annelle F. Hazlett PO Box 366

> Waimea, HI 96796

(808) 338-9888

#### FRANCES N. FRAZIER 4120 OMAO ROAD KOLOA, KAUAI, HAWAII 96756

Deputy Commander U. S. Army Strategic Defense Command Attention: CSSD-EN-V (D. R. Gallien)

Dear Sir;

On the subject of the launch of strategic target system vehicles from Mana on Kauai, I suggest that not enough attention has been paid to the significant impact which will be made on the cultural resources found within the installation. I quote from page Es-3 of the Excecutive Summary of the Draft Environmental Impact Statement for the Strategic Target System:

CULTURAL RESOURCES

The entire land area of KTF [Kauai Test Facility] and PMRF [Pacific Missile Range Facility] could be considered archaeologically sensitive because of the cultural resources found within the installation.

As well as the cultural resources found within the area a body of written literature exists which confirms the value of the entire area, as was discovered by Aletha Kaohi and Kalani Flores when they contracted to research the area.

Furthermore, there will certainly be a demonstration by persons of Hawaiian descent who in January 1993 will be marking the 100th year of injustice arising from the overthrow of the Hawaiian monarchy, and the breach of trust committed by the Federal, Territorial and State governments. Organizations such as Ka Lahui Hawaii and others devoted to the concept of self-determination for Hawaiians and management of our own land are very much interested in the Ahupua'a of Waimea in which the PMRF is located. The status of that land on which the Kekaha Sugar Plantation now exists, as well as

EX27 (cont.)

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the PMRF is in question.

I personally am inclined not to deny the existence of PMRF as long as Hawaiians are allowed a corridor to the sea from which subsistence can be gained. PMRF seems to have been a good neighbor and a good source of employment for Kauai people, but by their existence there irreparable damage has already been done to the cultural resources.

However, the expansion of use of the area by the Strategic Defense Command for a stated period of ten years is an intolerable extension of intrusion into an area which was leased to the PMRF. And like the legendary camel which got its nose into the tent, the first thing you know he'll have the whole tent. The people of Kwajalein may or may not have been given the courtesy of an EIS but we here on Kauai have certainly been granted that favor and I, for one appreciate the favor but reject the proposition that we be the hosts of a questionable venture which will not preserve the quality of life most of us on Kauai wish to have

Finally, we no longer have the united might of Russia to worry about, but we are in a much more dangerous position as regards the whole world situation since now, instead of facing the predictable we are facing the unknown. I suggest there might be a better way to spend our tax money on defense.

Frances N. Fraz 4120 Omao Road

March 24, 1992

Omao Road

Koloa, Kauai, Hawaii 96756

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## Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impart Statement for the Strategic Target System.

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sufficient as has already been abbressed. To

Name BARBARA JARVIS

Address 56314 Hawaala Rob Kapaa H1 46746

Soun Address

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

EX28 (cont.)

by many of the societies, and in many other parts of the world Country. This study should be done by a totally impartial panel.

Thank you for taking the time to cestin to no.

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a citizen of this country, and a resident of flauxii, for 14 years, I feel this mustile tooking is too visky for its vetwers. Its time for our energies to collectively focus in peace — and it should be upheld visit in for our neighborhoods and communities. I know is the time to some our planet we've done too much damage a Creaty. Please usen to the visit of 111 the people who would be visit of 111 the people who would be visit of 111 the people who would be visit of the missiles here do not promote the care that we want for our Mother Earth. No Liverting!

Name Pohim fost

Address 10015 Kolopiua St. Kapaa, HI 967416

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

EX30 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Address City/State/Zip Code Street Address Please hand this form in or mail by April 13, 1992 to:

Please hand this form in or mail by April 13, 1992 to Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

138

March 25, 1992

Deputy Commander U.S. Army Strategic Defense Command P.O. Box 1500 Huntsville, Alabama 35807-3801

Attention: CSSD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is as unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease exist if that happened, as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Nihau, or falls over a populated area of Kauai. The greatest casulties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barracks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Niihau.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and apartheid. If you have not seen the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation

EX31 (cont.)

Page 2 March 25, 1992

and feel we are compassionate people and follow the Golden Rule to treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns.

Sincerely

Carmela Tuck P.O. Box 276

Koloa, Kauai, HI 96756

(808) 742-9618

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

your O Junio

EX33

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Print Name: JAMES CAUSING

## Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

De do not need more depletion of Dens die to these Rockets over Kousi.

We do not need the military "hushing up" botched launches.

We do not need the naise debris a lies brought here bey the military.

There are too many people to althmo a stin names all ready on this island. Don't add to the list of ailments by extendity the burproducte of these missiles.

DON'T RUIN KAUAI!

Name Cof SHERROW RN

ouress / O B

City/State/Zip Code
Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-BN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

EX35

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#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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AS A FAMILY ON FAMA: I MUST
100k AT LONG Term Afforts of
WE to want to be a give
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STARS buy with out Danie Let
the Public Know -
Name P. CRAWFORD  Address P. OROW 12/0 Find Digit HI 9/1 170/6
Address P. O ROX 12/0 + A DIAM HI 9/1 170/6

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

Street Address

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

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STRATEGIC TARGET SYSTEM

PACIFIC MISSILE RANGE FACILITY

TESTIMONY

OF

WILLIAM T. HONJIYO

March 25, 1992

EX36 (cont.)

#### MARCH 25, 1992

MEMBERS OF THE PANEL, LADIES AND GENTLEMEN. MY NAME IS WILLIAM T. HONJIYO AND I REPRESENT MYSELF AS AN INDIVIDUAL. I WAS BORN AND RAISED HERE ON KAUAI AND CURRENTLY, I LIVE ON THE WESTSIDE, IN HANAPEPE. I AM A BUSINESSMAN AND FORMERLY A U.S. ARMY OFFICER WITH THE RANK OF LT. COLONEL. I AM A COMBAT VETERAN WHO HAS BEEN AWARDED THE SILVER STAR MEDAL FOR GALLANTRY IN ACTION, PLUS I HAVE NUMEROUS OTHER AWARDS FOR VALOR AND MERITORIOUS SERVICE. I DO QUALIFY AS A RESIDENT OF KAUAI AND A PATRIOT WHO BELIEVES IN THE IDEALS OF OUR COUNTRY.

FOR THE RECORD, I AM IN FAVOR OF THE STRATEGIC TARGET SYSTEM. I

DO BELIEVE THAT OUR NATIONAL DEFENSE SHOULD ALWAYS BE "SECOND TO

NONE."

I AM CONCERNED WHEN THERE IS AN ORGANIZED MOVEMENT OF PEOPLE AND MONEY FROM THE OUTSIDE TRYING TO NEGATIVELY INFLUENCE OUR NATIONAL DEFENSE AND THE LIVELIHOOD OF THOSE WHO ARE PRESENTLY GAINFULLY EMPLOYED WITH THE PACIFIC MISSILE RANGE FACILITY. THOSE TO WHOM I AM REFERRING, I WOULD SAY, "YOU ARE FORTUNATE FOR THERE WAS A STRONG MILITARY FORCE THAT FOUGHT FOR YOUR FREEDOM AND FREEDOM OF SPEECH. HAD THIS BEEN 30 YEARS AGO, YOUR ACTION MAY HAVE BEEN CONSTRUED TO BE SUBVERSIVE."

I HAVE READ THE DRAFT E.I.S. DATED FEBRUARY 1992 AND AGREE WITH THE FINDINGS THAT ANY IMPACT IS NOT CONSIDERED SIGNIFICANT. I DO BELIEVE THAT THE MILITARY HAS DONE AN EXCELLENT JOB IN PREPARING THE E.I.S. AND THAT WE SHOULD ACCEPT THE FINDINGS AS PRESENTED.

I BELIEVE IN A STRONG UNITED STATES OF AMERICA AND THE BENEFITS THAT THE STRATEGIC TARGET SYSTEM PROJECT WILL PROVIDE FOR OUR ECONOMY, NOT ONLY ON KAUAI, BUT FOR THE STATE OF HAWAII. THE ECONOMY OF KAUAI IS AT STAKE. A MILITARY POST OR STATION CANNOT SURVIVE WITHOUT A MISSION. LET US NOT FOOL OURSELVES. BASE CLOSURE NEEDS A SLIGHTEST REASON BECAUSE OF BUDGET CONSTRAINTS AND OTHER INSTALLATIONS READY TO TAKE ON THAT MISSION. WE NEED TO REALIZE OUR ECONOMY ON KAUAI NEEDS THE PACIFIC MISSILE RANGE WITH ITS ADDED MISSION.

Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Vida Massina Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

EX37

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# Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

EX39

1

## Written Comment Sheet

# **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

MOURA TODNEY

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Deputy Commander U.S. Army Strategic Defense Command Attn: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

P.O.B. 189 Anahola, Kaua'i 25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home the night I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kaua'i, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missle Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possesion of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious EX40 (cont.)

history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, kaua in ancient Hawai'i, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kaua'i's citizens by destroying those of Kwajelein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajelein regain their homes, and to help native Hawaiians on Kaua'i re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajelein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellowcitizens' compassion and help.

Heu ionalani M. Wyeth

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#### Nanette Slavin Kaaumoana P.O. Box 279; Hanalei, HI 96714

March 24, 1992

Deputy Commander U. S. Army Strategic Defense Command Attention: CSSD-EN-V Post Office Box 1500 Huntsville, Alabama 35807-3801

Dear Sir,

I am writing regarding the proposed STAR launches on the island of Kauai which is my home to urge you to seriously consider the no action alternative which would allow PMRF to continue its present operations and missions and would not impact our island adversely as will the proposed STARS deployment.

In my earlier communication to you and public testimony I urged the army to be as sensitive to the religious sensibilities of the native Hawaiian people as they were, then, toward the Islamic shrines in Iraq. Nohili Dunes is the jumping off place to Po, the afterlife in the Hawaiian cosmology, and the only such place on this island. The area is therefore sacred religiously and it is important both culturally and sociologically to the local Hawaiian community.

Almost one hundred years ago the United States, having economic use for these islands collaborated with a cadre of American business men and disenfranchised the majority of the local population, voted itself in and took over this sovereign land of many islands by bringing in the Marines and imprisoning the Queen. Fifty years ago (or thereabout) the U.S. took Kahoolawe for its' own to bomb at will for a test site. Now the government wants to take our island and put it at severe risk in order to "use" it.

We are tired of being used. The vast outpouring of vocal opposition has certainly been heard in Huntsville and in Washington. Yet, in a government of, by and for the people, the voices of the people directly impacted are being ignored. Unfortunately, I truly believe these initial proposed launches are only the beginning of a long term plan that will greatly enlarge the army presence on our small piece of land. I base this fear in part on a news article.

The Sunday March 8, 1992 edition of the Star-Bulletin & Advertiser informed us that "Hawaii may be one of seven states to host a Strategic Defense Initiative station if Pentagon advocates of the system get their way." The article continues: "For Hawaii, the plan would mean a land-or ship-based Star Wars installation, including a giant radar system, and possibly 100 rocket interceptors that could destroy incoming missiles, according to the

### EX41 (cont.)

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SDI Organization spokeswoman, Maj. Carolyn Channave. The plan calls for Hawaii's station, one of seven around the country, to begin operations between 1998 and 2002."

Hopefully this is a worst case scenario that will never occur but it is hard for us as citizens to believe that Major Channave's comments do not apply to PMRF. The actions of the U.S. government and the U.S. Army are unconscionable in planning to proceed with plans fraught with danger to the inhabitants and ecology of this island. I urge you to stop alienating the citizenry and start listening to it. The people of Kauai speak with almost a single voice and the voice is shouting NO. Please listen.

Sincerely, Marette Savin Laaunaara

Nanette Slavin Kaaumoana

7

Testimony to the U.S. Army Strategic Defense Command Lihu'e, Kauari, Hawai'i, March 24, 1992

The League of Women Voters believes that natural resource management policy-makers must take into account the ramifications of their decisions on the nation as a whole as well as on other nations.

The League works to limit reliance on military force in international relations, and gives priority to reducing the risk of war through support of arms control measures. Further, the League avers that the defense budget that the public and our debt are supporting should reflect the astonishing changes in world security.

The League has studied arms control. Its resulting support of arms control has focused particularly on stopping the Strategic Defense initiative missile defense plan. Although not opposed to all defensive weapons research, the League strongly opposes the program as contrary to the purpose and/provisions of the 1972.U.S. Soviet ABM Treaty. SDI is an extremely costly and destabilizing program that undermines the very essence of arms control.

The original 1983 vision of President Reagan of SDI's "rendering...nuclear weapons impotent and obsolete" has gone, as the limits of science and federal funding were revealed and program goals became clouded and controversial. Some, including the former Soviet Union, see the SDI as offensive. And even if SDI were feasible, research giving way to development and testing of related missile defense technologies abandons the ABM Treaty.

49 SOUTH HOTEL STREET, ROOM 314 . HONOLULU, HAWAII 96813 . PHONE: (808) 331-7448

EX42 (cont.)

The League of Women Voters of Hawaii to U.S. Army, 3/24/92, p. 2

We of the League of Women Voters of Hawaii are particularly distressed that Hawaii has been used in SDI activity and may be further enmeshed for ten years through the proposed STARS program that may specifically negate the ABM Treaty. Defiance of the ABM Treaty will cost \$billions sought for weapons that violate it, as well as the safer world we seek. And now you want an SDI system installation in Hawaii.

The U.S. must reduce its readiness for and use of military force in international relations in this special moment of opportunity to de-escalate the world arms race.

If missiles, why space-based, which are far more expensive and more prone to disaster than ground-based systems like the Patriot? You know 5D1 has been nine years and \$30 billion of failures.

Since PMRF is on caded Hawajian land, and the nation of Hawajii was obliterated with an illegal U.S. military act, why not use the \$160 million not to put our Island and our peace and health at risk, but to build homes for Hawajians who are homeless and those that have been waiting for years—as a Centennial reparation?

Thank you.

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Deboral Kimbau

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# XIERRA CLUB LEGAL DEFENSE FUND

#### TESTIMONY

PRESENTED BY: Sierra Club Legal Defense Fund

RECIPIENT:

United States Army Strategic Defense Command

RE:

Draft Environmental Impact Statement for the

Strategic Target System

LOCATION:

Lihue, Kauai

DATE:

March 25, 1992

The Sierra Club Legal Defense Fund is a public interest, environmental law firm that is presenting testimony on behalf of the Sierra Club, 1000 Friends of Kaua'i and other environmental groups and concerned individuals. We are the attorneys of record for the environmental plaintiffs in the federal lawsuit concerning the Strategic Target System Program entitled Sierra Club v. Cheney (D. Haw. Civil No. 90-00761 DAE; 9th Cir. Docket No. 91-15978).

Our clients and others will present testimony to you on the many deficiencies in the Draft Environmental Impact Statement ("EIS") for the Strategic Target System ("STARS") dated February 1992. We urge you to consider these comments carefully, to recognize the inadequacy of this document, and to rethink the advisability of proceeding with your ill-conceived plan to launch STARS vehicles from the Island of Kauai.

Rather than repeat the comments of our clients and other interested citizens (which we fully endorse), our testimony will focus on two important legal issues regarding this Draft EIS and the overall EIS process. We encourage you to pay special attention to these comments because, if you do not, you risk an immediate judicial action against you in federal court.

Congress directed the Secretary of Defense and the United States Army (collectively "the Army") to prepare this EIS through a specific instruction in the Department of Defense Appropriations Act of 1992, Public Law No. 102-172 (approved on November 26, 1991). Specifically, Congress prohibited the Army from spending any further funds on the STARS program until an EIS has been issued "that complies with the requirements of the National Environmental Policy Act (42 U.S.C. §§ 4321, et seq.), and the Executive orders issued, and regulations promulgated to implement such act." See Section 8093A, Pub. Law No. 102-172, 105 Stat. 1150, 1196.

212 MERCHANT STREET, ROOM 202, HONOLULU, HAWAII 96813, TELEPHONE (808) 599-2436, FAX (808) 521-6841

#### EX43 (cont.)

Unfortunately, the Army now takes the position that. unlike all other EIS documents prepared under the National Environmental Policy Act ("NEPA"), the Final EIS for the STARS Program is completely immune from judicial review. According to the Army, this EIS is purely voluntary and gratuitous, and therefore cannot be challenged by any citizen in a judicial proceeding, even if the Final EIS violates NEPA. In taking this position, the Army ignores both the fact that this EIS is not truly "voluntary" (rather it was mandated by Congress) and the fact that Congress envisioned that the EIS be legally adequate and defensible under NEPA.

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In essence, the Army is seriously misleading the public. On the one hand, the Army assures the public, the State of Hawaii and Congress that it is fully protecting their environmental, social and cultural concerns by doing a full EIS under NEFA. On the other hand, since the Army contends that this EIS will not have to undergo the rigorous scrutiny of judicial review contemplated by NEPA, the public's concerns and rights are not in fact being safeguarded in the manner prescribed by NEPA. This duplicity thoroughly undermines the STARS EIS process: the Army can violate (and is violating) NEPA by preparing a deficient EIS, but the Army asserts that no citizen can challenge or remedy these deficiencies through the legal process set up under NEPA.

In sum, the Army's position that this EIS cannot be challenged in a court torpedoes the credibility and integrity of the document. Your paternalistic "plantation owner" mentality ("trust us -- we will look out for your interest without any need for judicial review") is not only out-of-step with modern Hawaii, but it also defies the explicit commands of Congress. Finally, and perhaps most importantly, this novel position has not one shred of statutory or case law authority to support it. By taking this position, you are virtually inviting a lawsuit to preserve the rights of Hawaii's citizens to vindicate their important rights under our nation's environmental laws.

The second legal point we raise here relates to your obvious failure to discuss and analyze a full range of alternatives to the launching of rockets from Kauai, as required by NEPA. Unfortunately, in its Draft EIS, the Army chose to limit its discussion of alternatives to consideration of the "no action" alternative and to alternative launch sites.

The proposed STARS program, which integrates retired booster motors and a substantial number of newly developed subsystems, has not been tested and is currently in the experimental stage. The Polaris booster motors — currently being proposed for use in the STARS Program — are over 20 years old and exhibit characteristics typical of aging solid propellant motors. Aging may increase the likelihood of malfunctioning launches and accidents, thereby posing significant risks to

2

One of the alternatives that had previously been considered by the Army but was <u>not</u> included in the Draft EIS was the substitution of new or remanufactured booster motors for refurbished surplus Polaris A3 motors, which are currently proposed. This omission is a serious one, and we strongly recommend that the Army include all reasonable alternatives in its Final EIS, as required by NEPA.

Thank you for this opportunity to present testimony on the Draft EIS for the STARS Program. Please feel free to contact us if we can be of any further assistance. EX44

### Written Comment Sheet

# Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

DNCK THE FNAL EIS HAS BEEN SUBMITTED AND THE WANTING PERIOD ALS DASSED WHO Address\_

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Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801

COUNTY COUNCIL

RONALD KOUCHI, CHAIR RANDAL G.B. VALENCIANO, VICE CHAIR BILL KAIPO ASING MAXINE CORREA JESSE TUKUSHIMA MAURICE MUNECHIKA JAMES TEHADIA



4396 RICE STREET, SUITE 206 LIHUE, KAUAI, HI 96766-1399

OFFICE OF THE COUNTY CLERK

JEROME Y.K. HEW, County Clerk C. BUNJI SHIMOMURA, Deputy Clerk

> PH. (806) 245-4771 FAX PH. (808) 245-5689

EX46

March 25, 1992

United States Army:

My name is Ronald Kouchi, member and Chairman of the Kauai County Council, and I would like to thank the U.S. Army for pursuing an EIS for this project.

The County Council recently submitted a letter, which was signed by myself as well as the other councilmembers, to Hawaii's Congressional Delegation in support of the continued use of PMRF as a viable and strategic military training facility.

Further, the County Council will be providing testimony in support of a proposed State Resolution on Friday, March 27, 1992, urging the President and Secretary of Defense to maintain PMRF as the United States' foremost missile range facility and requesting Hawaii's Congressional Delegation to do everything in their power to preserve the integrity and capability of PMRF.

As indicated above, I remain committed to support the continued viability of PMRF.

Sincerely,

RONALD KOUCHI Council Chair

RW/ao

Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. 1 Address City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

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As the senior ranking member of the Hawaii National Guard on the island of Kauai and a representative of all National Guard units on Kauai, the State of Hawaii and across the Nation, we acknowledge the outstanding work done by the Pacific Missile Range Facility at Barking Sands; and the outstanding support we get as members of the National Guard from all those who work at the P.M.R.F.

THANK YOU VERY MUCH!

EX48

It's hard to hit a moving target but that's exactly what Stars Wars promises to do. I submit that the moving target is not incoming ballistic missles but the ever changing goals of the Star Wars program itself.

1

Almost nine years ago to this date, on March 23 1983, Ronald Reagan described his vision of "intercepting and destroying strategic ballistic missiles before they reached our own soit. \$30 billion later, there's evidence that the Strategic Defense Initiative Office, saw the flaws all along--and knowingly masked the program's failures and oversated its progress just to keep the money rolling in.

Aldric Saucier, chief scientist for Advanced Technology, concludes that Star Wars will never provide an impenetrable umbrella against nuclear missiles. Immediately after testifying before a senate subcommittee about gross mismanagement in SDIO Saucier was fired and then reinstated pending an investigation of his charges.

Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield defied the laws of physics. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit."

Quietly, secretly, SDI did what might charitably be called "evolve." SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. SDI switched course again in 1990 with the introduction of Brilliant Pebbles. In 1991, SDIO conceded that Pebbles could protect America only against limited ballistic-missile attacks. Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research-and-development money flowing." That required secrecy. "If you keep all the technical data under wraps its easy to keep it funded."

After nine years and 30 billion dollars the Star Wars defense effort has "evolved" from providing an impentrable defense umbrella into a bloated military pork barrel. Star Wars is nothing more than an expensive welfare program for the military/industrial complex. Let's get these people off the taxpayer's dole and put them to work doing something more productive than oppressing our brothers and sisters in the Marshell Islands.

Ed Coll

ClibPDF - www.fastio.com

"I'VE BEEN SPIT ON BY SENIOR ARMY OFFICERS, SHOVED UP AGAINST A wall, and ELBOWED in the HEAD & THE NECK SO HORD HAST I HAD TO GET medical treatment. " Sacuin SAID IN A INTERVIEW LAST FRIDAY. THIS IS THE TREATMENT affarested an american Citizen who down to speak against the Military I andushial Complete. THEY SAY HE is incompentent. If it took 8 YEURS TO FIND this out who is incompent?

EX49 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. ILESTION: WHY CAN'T THE BEACH ACCESS ISSUE BE MITIGATED BY SELECTING LATE NIGHT / EARLY MORNING LAUNCH ININDOWS

Name RICHARD IRLOW

Address 3441/AED CT KALAKEO 96741

City/9bste/Zip Code

[1]

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

## Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Hy Nava is diagra in thing. Since a usualed of kawale the attended to the Schaud Haya ago to here some diagramenting news.

Kawal him interrupt so much and yet they were to change of parties of parties of the stand work there and to the formal was the surface of the hours superitte without the thought of one of the parties on the stand work to parties on the formal work to parties on the standard work to parties on the large things have been when the sound work to parties on the large things have been when the standard work to gain doubt and could the program the said of the standard formal are a protected us. The should of the show they feared warrest born to the Month side of the behave of the said they couldness fund Name (ninger hear D. Ruiz

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

City/State/Zip Code

P.O. Box 1500 Huntsville, Alabama 35807-3801 EX51

I am D.M. Rita of Kekaha.

I am not here to talk at Lt. Col. Manguso of the United States Army. I am here to tell you OPEN YOUR EYES!

There are many pressing issues we need to confront NOW!

EDUCATION:

STOP gang violence and drugs in the schools! STOP crime on the street! How many Scenists visit "awal to never leave alive. How about our friends and neighbors killed every day.

How about birth defects.

Stop drug abuse and illegal chemical spills. Corpnote
BIG BUSINESS, HUH!

FEED our hungry, stop foreign aid! For they won't dake

Save the environment.

The major cause for extinction in any environment, is loss of habitatt. KANEOHE BAY on Oahu, for example. In five to ten years time the entire reef habitat was destroyed by runoff from construction and development. BIG BUSINESS AGAIN!

Is Hanalei Bay next???

Protect the atmosphere Get rid of all cars, get on a bicycle or walk. These are things that need to be confronted NOW!

My family is an Army Family touched by many wars including Vietnam and Desert Storm, and we are proud of our Country, so don't 'mock the military who has gone to war and protected our freedom of speech. Don't 'mock the Stars Program that is trying to save lives by stopping nuclear warheads before they destroy us.

Instead of wasteing precious time in conflict with each other, let us join together to stop the worst killer of all. As I speak now, how many people will die of AIDS? STOP AIDS NOW!

Pacific Missile Range Facility has been on Kauai for 28 years with no major mishaps. How fo we know if any mishaps will occur in the future? Take care of priority prolems with years con't create problems for tomorrow! Let's process ONE STEP AT A TIME - Don't guess at the future ... TAKE CARE OF NOW!

I support the military at PMRF and I support STARS!

LIVE LONG AND PROSPER!!!

ClibPDF - www.fastio.com

FROM PAUL HAVDEN ASSOC In familiar W. TAR WARS project becouse my family familiar was chuj explain at likely specifically my father Frank Rilly was chuj explain at likely specifically my father Frank Rilly and the Alabard Brown as a likely specifically Comments on Draft EIS for the STARS Program

by Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.

The Draft EIS has identified numerous significant impacts of the STARS program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the 

What is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in a 70% probability of at least one catastrophic failure in the

planned 40 launches.

Carry on such activities in such a unique and ecologically annothing location without serious impact. planned 40 launches. sensitive location without serious impact.

The document also makes it clear that these impacts are totally unnecessary. The DEIS concludes that the "Do Nothing Alternative" would be far preferable from an environmental persective. It turns out that this alternative would also be far

persective. It turns out that this alternative would also be far preferable from a national security perspective. For over a decade I have opposed "Ster Wars" and the SDI program which gree out of it because they made nuclear war nore likely. It is still isolating us from the world community of nations, reinforcing our image as world bully, and draining resources and brainpower from the civilian space program and community high-ten highstry. And it still has no and commercial high-tech industry. And it still has no legitimate mission.

Global Protection Against Limited Strikes (GPALS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finelly got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-continental Sallistic Missile America deliver it. I would just float it up the Potomac on a berge, or to Waikiki on an outrigger, in a start a s weapons do nothing to neutralize such threats. But the politicians and bureaucrats running the program, spurred on by the contractors who profit from it, are continuing anyway.

page 1

EX52 (cont.)

[1]

2

1 PAUL HAYDEN ASSOC

3.25,1992 18114

One of the ironies of all this is that they don't need to use Kaua'i. There are many other ways to put those STARS payloads into the proper trejectory if they insist on continuing

One of the great failings of the Draft EIS is its failure to One of the great fallings of the unart EIS is its failur scriously address many of the other alternatives.

In particular, it is shocking to see the floating barge, fixed ocean playform, and Minutesen III from Vandenberg options eliminated principle of the seed of the s

Do the writers of this DETS really expect us to believe that Do the writers of this DETS really expect us to believe that if the island of Kaua'i didn't exist, that there would be no STARS program, because no other alternative is even possible and worth evaluating? This glaring falsehood calls into question everything else in the document. In the old days in the Pentagon, we had a description for a study like this one: "an exercise you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kaua'i are not holding up GPALs or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say, "Don't do it at all." Don't endanger this precious island for a Suicidal, Dangerous, Tusana ("DNI) program That we in the military don't need Insane (SDI) program that we in the military don't need.

Lt. Col. Robert M. Bowman, Ph.D., is President of the Institute for Space and Security Studies in Melbourne Beach, Florida. From 1976 to 1978 he directed the "Star Wars" programs Florida. From 1976 to 1976 me directed the Boar Were prounder Presidents Ford and Cartar, when their existence was secret. His military career took his to 34 countries, and included 101 combat missions in Vistam. His PhD is in Aeronautics and Nuclear Engineering from Cal Tech.

ISSS, 5115 S. AlA Hwy., Melbourne Beach, FL 32951; (407) 952-0600

page 2

EXSS ALOHA, I AM LINDA CHANOLETLS ONE OF THE FOUNDERS OF HU! HO'D MALL I KA AINA. I LIVE IN WEINIHA LESS THAN 26 MILES, AS THE CROW FLIET, FROM MANA, I THANK GOD THAT I LIVE ON THIS BEAUTIFUL ISLAND AND LATELY HAVE HAD SPECIAL REASONS TO THANK HIM FOR THIS BOING OF A DEMOCRACY WHERE CITIZEN INPUT 15 AT LEAST CONSIDERED. I LIVED IN MOROCLO FOR THREE YEARS WHEN THAT COUNTRY WAS FIGHTING FOR INDEPENDANCE FROM FRANCE, I LINED IN INDIA FOR .TWO YEARS SHORTLY AFTER INDEPENDANCE FROM IN SHALL IN THE LAST DAYS OF THE SHALL WAS WOULD MY MOTHER, MY FATHER, AND MY BROTHER ALL WORKED IN KWAJALEN AND BOTH OF MY DAUGHTERS WEAR COMEAT BOOTS -IS A SERGEANT IN THE ARMY , THE OTHER IS A SERGETAIT IN THE AIR FORCE, THESE THINGS HAVE ALL HAD A PART IN CHARING MY GRECIAL MINNA'S. I AM OPPOSED TO THE STARS PROGRAM FOR ALL OF THE REASONS CITED IN THE LAST TWO DAYS + HIGHTS, ONLY ARGUMENTS I'VE HOYAD FOR STARE HAVE KONN. DEFLUCE AND TORS, THE DEFENCE ARGUMENT HAS AS MANY HOLES IN IT AS OUR ORONE WOLLE GAM IF THIS PROGRAM WERE TO PROCEED. THE MILITARY, GIVEN FREE KON, COULD WELL PROTECT US RIGHT OUT OF A HABITACLE PLANET, AS A PLACON WHO ALMOST NEVER DRIVES ALCOHOL, THE DULY RETIGON I'VE EVER EXICOUNT-1 ERED FOR ELECTIONS AN ALCOHOLIC, IS HAVING TO LIVE DEPLOKANCE IN THE A CONSTITUTE ON & BEYE, HOW ELSE BUT DRIGGED COULD A PERSON ENDURE THAT MISERAGE EXISTANCE!

EX53 (cont.) STENS PROPOSELLES PLES SCEN CLEEN CUT AND CONVINCES OF THE RIGHTNESS OF THER CLAIMS FOR OFFEREE AND GOES, BUT THOSE ARE GOOD REACONS WHY MERE HUMANO SHOULD NOT HAVE GOD-LIKE POWERS OF DESTRUCTION, AND THE NUMBER OF JOBS CRETITED DOES NOT JUSTIFY THIS PROGRAM, PEOPLE ARE ONLY PEOPLE .. . AND I KNOW YOU'VE ALL WORKED AT SOME TIME WITH SOMEONE WITH THE SLOWED REACTIONS OF A COLD, OR HAME OVER, OR THE DISTRACTION OF A FIGHT WITH A GROUSE, OR THE WARRY OF A STOK CHILD . THESE VERY HUMAN CONDITIONS COULD, WHEN SPLIT SECONDS COUNT, AS IN A WORST CASE SCONAICS SPELL DOOM FIR KANNI. SINGE THERE ARE SERIOUS FLANS SINCE THE IN THE DEFENCE THEORY, AND TENENTY FER CENT OF KAMINI'S INCOME THAT IS TOURIST ORIENTED WOULD BE SED, ON THAT BASIS ALONE THE ARBUMENT FOR ETHRE IS OUT-WEIGHED BY THE ARGUMENT AGAINST STARE. AS FOR THE EIS, I AM CONCERNED STILL ABOUT

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AS FOR THE EIS, I AM CONCERNED STILL ABOUT

OUTR-ROAD TRANSPORT OF LIQUID FUELS, SINCE

THE ALTERNATIVE MAY NOT ALWAYE RE PENSICLE

IN BAD BEATTICE, ARE YOU PLANNING ON CLOSING

OUR ROADS OR THAT TAKING YOUR CHANCE WITH OUR

POTHOLES AND CONFLICED TOURISTE HOP HE ME MICR

WILL BE IN THE WASHE PLACE AT THE WASHE TRANSP.

AND OF COURSE YOU HAVE A FLIGHT TERMINATION SYSTEM.

AND ON ESTMELICHED GROWS MASTRE AREA AND FLIGHT

CASCITY SOFT, JOAL TO PROTECT THE PUBLIC FROM SECRES

MY THE ETHILT OF A LIGHT TERMINATION." BUT THAT

PRESUMPOSES FRIGHTS MISH HAVE TORE TERMINATED AND

#### EX53 (cont.)

WHAT GUARANTEEN F A FLIGHT HAS GONE WRONG, THAT

IT WILL BE OVER THAT GROUND HAZARD AREA AND

IN THAT FLIGHT SAFETY CORRIDOR? IT GEEMS OBVIOUS

THAT IF A FLIGHT NEEDS TERMINATING THAT IT

MIGHT VERY WELL BE BECAUSE IT WAS HEADED IN

THE WRONG DIRECTION AND WOULD NOT, THEREFORE,

BE WHERE IT WAS SUPPOSED TO BE WHEN GEING

TERMINATED, SO WHAT OR WHO ELSE MIGHT HUSO

BE TERMINATED AT THAT POINT? THIS IS A SMALL

ISLAND AND IN FAR TOO DELICATE A GALANCE TO

WITHSTAND SUCH IRRESPONSIBLE MAN-HANDUNG,

I, TOO, URSE YOU TO ALLOW PARF TO CONTINUE

ITS PRESENT PROGRAMS AND TO DECIDE IN

FAUOR OF THE NO ACTION A CTERNATIVE.

MAHALD.

EX54 acquer 1 . W/a fresh team and could by y bull to Nidertily impate which reman together to accomp for projection of them with being onthe, puter · am a comment to the Kate Springst &13 > Els dus let confer to NEPA shilled · Reminderyon that hatin them culting i betty, each. proude our franche by the highte constitute Article XII. Sent 7. / HRS Chipter 7-1 Chapter 1740-101 will subit in swift my not got dup Defrechers are they be notific contistion 1. Water resonance - how much water will be commend for STAKES, 2 what is juguet on use of water of settland 2. hatin plat spen - net ikelim than early fine go & Parter Pristing occur.

Nature by anyther when allowed the produce when Ocha too rough ochte they think. Ideal fully time is signed they signetion 5 EX54 (cont.) He grege @ 4. April to typt. coincide w/ redy some for one of your see that product and the Endagent Special Art May trybe surport 6 5. As winds When som & Novell's strent. In caribbe Wanter is rehely for shelly cullbra when the to entitled men are news Puly some school should another altrucher fund will be to reliet laures for April 7 4. chain of what Dynto up subsisten ful 8 is disrupted: 'shan a sky nebuch dirughed ingst along to hold offered west I cult Imput - not comput to bahard frisher Present Art - no defined hade, to a should include sets in popular control your . Ould pur pury of State to asses. Refer to sheet buy Flores 2 Kard - rejust show so can cossess of capital - Injust on day build to fix synthetic injust on him, Shins, fring shins - Nobel Dune is sound / Lem a Ka where I hombin

EX54 (cont.) Mulyey 3 - hed prish ench. - Make a remark to the land. Protect Kalender Olma - One Oham oppose the some form row as we would of 15 years to stop bond of Kelendam. Sacred land of student burst burst burst for destroy hully purposes 8. Led US - imput on statlet of DHHI dans Sup lun 4pm De 1993. 21,000 a writy led Time un, to settle land. Hours from well but be able to settle Wajne is an belle drew to resulte green - that it is an interior aluguer intert. 9. No social/ commy Dynt distat - what level of how jobs!

- her many her perhod to appete - new social tensions have

- that base wont close of don't have STATE Subic, Club. 10. No assist y impulit in Nilhan / Kaula, Lehun 11. Dynt haule of fact resum of amen't if an accident 11. Does not Froger toses Impacts w/ Diffet Schaus 6 than flowe hands settled 2. y uded lands, duny use 3. y ceded lands ". Title lands he included a part of a

### <u>INTRODUCTION:</u>

MY NAME IS LARRY AIWOH!

I AM & RETIRED U.S. AIR FORCE RADAR REPAIR TECHNICIAN

I AM ALSO A DISABLED VETERAN AND A MEMBER OF CHAPTER 5 OF THE DAV
MY LAST ASSIGNMENT, WAS WITH THE 3208 TECH/FACILITY TEST GROUP

3208 TEST SQUADRON, AC&W, GCI (AIRCRAFT CONTROL & WARNING-GROUND
CONTROL APPROACH. AFSC 30352C

THIS SQDN. WAS PART OF THE ARDC, AIR RESEARCH & DEVELOPMENT COMMAND
OUR MISSION WAS PRIMARILY RANGE CONTROL AND SUPPORT FOR THE VARIOUS
TEST WITH SUCH WEAPON SYSTEMS AS THE IM-99A&B "BOMARC" MISSLE; THE
GREEN QUAIL MISSLE; HOUND DOG MISSLE; THE VULCAN ELECTRONIC GATLIN GUN
AS WELL AS SUPPORT TEST WITH THE ARMY NIKE AJAX & HERCULES ANTI-AIRCRAFT
MISSLES. I AM THEREFORE WELL AQUAINTED WITH ELECTRONIC WEAPON SYSTEMS

AFTER LISTENING TO LAST NIGHT'S TESTIMONIES I WOULD LIKE TO MAKE THE FOLLOWING COMMENTS, AND. RESERVE THE RIGHT TO MAKE MORE EXTENSIVE STATEMENTS COVERING A HOST OF TOPICS WHICH ARE GERMAIN TO THE ISSUES AT HAND, BUT BECAUSE OF THE PARAMETERS OF TIME LIMITATIONS OF THREE (3) MINUTES, I WOULD LIKE TO ADDRESS MY CONCERNS IN LETTER FORM BEFORE THE APRIL 13 DEADLINE

EX55 (cont.)

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-2.**-**

#### VETERANS FEELINGS AND ATTITUDES:

ALTHOUGH I DO NOT SPEAK OFFICIALLY FOR THE VETERANS AND DISABLED VETERANS OF KAUAI I KNOW FEET THOROUGHLY SUPPORTIVE OF THE MISSIONS PERFORMED BY THE TECHNICIANS AND AERO-SCIENTISTS INVOLVED WITH THE SDI PROGRAM CONDUCTED @ PMRF, AS WELL AS THE OTHER TEST LAUNCHES AND DEFENSIVE EXERCISES IN THE TEST AREAS ADJACENT TO THE BASE. THESE VETERANS HAVE SERVED THEIR COUNTRY LOYALLY, AND GAVE OF THEMSELVES WHEN CALLED TO ARMS. SOME OF THEIR COMRADS GAVE THE ULTIMATE SACRIFICE....IHEIR LIVES!

THEIR DREAMS AND HOPES WERE THAT THEIR CHILDREN, AND THEIR CHILREN'S CHILDREN WOULD BE ALLOWED TO LIVE FREE FROM WARS, AND THE THREAT OF WARS. HOWEVER, BECAUSE OF THE VARIOUS AVARICES AND VICES INNATE IN THE CHARACTER OF MAN, THIS HAS NOT HAPPENED IN THIS CENTURY. THEREFORE, IT HIS OUR HOPE THAT OUR COUNTRY'S SCIENTIST RESEARCH AND DEVELOPMENT TECHNOLOGY WILL CONTINUE TO GO FORWARD AND DEVELOP NEW HIGH TECH WEAPON SYSTEMS THAT WOULD PERHAPS BECOME A FORMIDABLE DETERRENT AND AN UNSURMOUNTABLE BARRIER THAT WILL FINALLY GIVE SOME FORM OF A GUARANTEE THAT CAN GIVE OUR DESENDANTS THE OPPROTUNITY LIVE IN PEACEFUL TRANQUILITY, AND PURSUE HAPPIER FUTURES—FREE FROMATHE THREATS OF WAR, AND THE FEAR THAT SOME NATION THAT IS CONTROLLED BY SOME NEO-HITLER LEADER WOULD LAUNCH A NUCLEAR HOLOCAUST UPON THIS NATION!

ANYONE WHO PRESENTLY BELIEVES THAT THERE ARE NO SUCH MONSTERS AS SUCH, IN THIS WORLD ARE NOT PRAGMATIC, NOR ARE ATTING MUCH ATTENTION TO CURRENT WORLD EVENTS THAT UNDER-SCORE THE FANATICAL PERSONALITIES OF: KIM IL SUNG, HIS SON AND SUCCESSOR KIM JUNG IL, MOMAR KADAFI, AND THE INFAMOUS SADAM HUSSEIN.

EX55 (cont.)

THE PATRIOT VS SCUD MISSLE: FARE Kilf Har of 1991

YOU HEARD TESTIMONY LAST NIGHT GIVEN BY ONE OF OUR LEADING COUNTY ADMINISTRATERS IN WHICH—SHE QUOTED THE FIGURES THAT THE PATRIOT MISSLE WAS ONLY EFFECTIVE 50% OF THE TIME, BUT THIS FIGURE MASKS CERTAIN FACTS THAT SHOULD BE BROUGHT TO LIGHT:

- 1. THE PATRIOT WAS STILL IN THE PRELIIMANARY STAGES OF RESEACH & DEVELOP-MENT, AND WAS THEREFORE NOT READY TO PLACED INTO THE OPERATIONAL PHASE, BUT BECAUSE OF NECESSITY AND URGENCY OF THE SITUATION, IT WAS PLACED INTO THIS PHASE ANYWAY!
- 2. THIS FACT UNDERSCORES THE FACT THAT MORE TESTING, MORE REFINEMENT, OR IN OTHER WORDS, MORE RESEARCH AND DEVELOPMENT WAS AND IS NEEDED, AFTER WHICH ALL CRITICS WOULD OR SHOULD BE SILENCED. THIS IN ESSENCE ONLY STRENGTHENS THE CASE FOR SUPPORTING THE SDI R & D PROGRAM AT PMRF.

  I DO NOT BELIEVE THE OPPONENTS CAN ARGUE THAT WE NEED TO BE PROTECTED AGAINST THE POSSIBILTY OF AERIAL ATTACK BY EITHER ICBMS OR IRBM MISSLES.....WE NEED A THIS PROTECTIVE UMBRELLA THAT THE SDI PROGRAM WILL EVENTUALLY MAKE AVAILABLE.
- 3. GIVEN THE FACT THAT THE PATRIOT WAS NOT ACTUALLY READY TO GO TO WAR IN THE PERSIAN GULF LAST YEAR, BUT WAS STILL ABLE TO INTO SERVICE AND PREVENT MORE LOSS OF LIVES THEN NOT PUTTING IT INTO OPERATIONAL USE.

  BECAUSE OF THIS SCORE-RECORD PRES. BUSH WENT TO THE FACTORY THAT PRODUCED THESE ANTI-MISSLE MISSLE WHERE HE FORMALLY THANKED THE WORKERS

DUCED THESE ANTI-MISSLE MISSLE WHERE HE FORMALLY THANKED THE WORKERS THAT PRODUCED THEM WE WILL FRENCH AND A GLICK EARLY ARE CONTENDED TO THE THE THE CONTENDED IN HER TO THE STREET ON MORE SUCH TIEST IN HER REPORTED "FACTS." .... SUFFICE IT TO SAY, IT WAS PERMEATED MISLEADING FACTS THAT CAN BE DISCOUNTED AS "MALE BOVINE FECAL MATERIAL", OR SIMPLY B.S..

EX55 (cont.)

-4.

IN CLOSING I WOULD LIKE TO THANK YOU FOR KIND ATTENTION, AND FOR ALLOWING US TO INTERFACE AND RENDER SUPPORTIVE TESTIMONY.

1 WOULD LIKE TO END THIS WITH TWO WELL-WORN AND FREQUENTLY USED EXPRESSIONS FROM TWO WARRIOR LEADERS:

- 1. "DAMN THE TORPEDOS, FULL SPEED AHEAD"
- "IMUA E NAKOA...INU I KA WAI AWA AWA!" KAMEHAMEHA THE GREAT, AT THE BATTLE OF KEPAN! WAI, MAUI, CIRCA 1793.

ý

hearing Yestimony re Stars, 3/25/92

I'm Susame Murinelli Chan of the Kanai Sierra Club. i'm also the pacific vice president of the national. Sorra Club, whose membership numbers about 650,000 our notional policy opposes space-based weaponry of all forms, including Star Wars in all its aspects.

It col manguo, mr Gallien & mr michaelson, aloha.

for the better part of the last 2 years, we've set across many tables from one another. We've getten to know, it usually like, one another. i'd like to share a couple of observations from this process we've shared. for the most part, your people have been gentlemen,

all the way through.

It is take to say thank you for that, and add a personal aside that if you had more ladies working with you, i think you'd get a lot more done more efficiently 4 well, + with a lot loss money.

There's another thing in the months our people have yone about resulting the Stars frozen, we've operated in nearly complete freedom. We've come I gone among our lezislatola, engaged the media, spoken our opinions loud + Cloai, whenever + whenever we've chosen we are the freest people on latth.

our crimial services protect those proceeds treedom's whither we wish it were So to not. So, i'd like to thank you from my heart for the true protection your

EX56 (cont.)

organisation provides us. we are graveful.

humans are an aggressive species. until this changes, we will have the military, we human beings expend half our global resources, half the world's economy, half our earning liver, on militariam & war, even when there is no war.

thus i choose to see the military as a deadley with resource more in need of conservation than any other, more in need of ceaseless vigilance from its employers that's us - human beings.

we as people have our failings, and get we're a wonderful species, too. we are worthing of the best that you can give us.

we want a lot in exchange for half our lives -

we want our morey's worth.

we want a military that won't a wasteful chain on the only resources this earth will ever have to offer us. We want programs that work, not fail; provide two safety and not increased endangement. we want you to take a long hard look at the \$561 billion tellars the united stoles will spend this year on militarism, and explain to me with shailt faces why we we not protected enough already if we we not, then the indiany has not been doing to jot, it ingently receive forme under quality review, from the originators of its programs on down.

fake your Stars program away of bury it.

turn away from assailing the home of

Kwajalainis 10,000 suffering people, whom even the

rains have deserted now.

turn away from lawai with your explading

antiques of rockets, your mitigaled poisons,

your inconsiderations for the living of the dead, the

plentiful and rare.

turn away, gus of randy. While we may care

for you, we do not want your program here.

Sugmethandle

EX57

2

My name is Vernon Kalaukahili White, a resident of Anahola, Kauai for 42 years. Born Kekaha, Kauai, and my Hawaiian come from Jame K. Keao grandfather and Annie Kane of Maui.

The Strategic Target System Project should remain open because of two incidents that I can recall in my 64 years on Kauai except 5 years in the Army Air Corp., in 1945 to 1949. Our National Defense is most needed for a nation such as the United States even though our Congress wants to cut the National Defense Budget. Mana Air Base and Strategic Target System not should, but must, remain open because this base is one of many Strategic Commands that must remain open because of the needs to protect our nation, as Pearl Harbor and Schofield on Oahu is needed like Mana Air and Strategic Command is needed.

## No. I Incident:

During the Desert Storm encounter there were lots of comment-who should go to war? First was women to be included or only men? And why should we fight for oil or why should we protect Kuwaite - but by this war one wondered and saw how National Defense is needed and the weapons used.

As I grew up on Kauai and Hawaii and can remember my youth when Mana Airport was open to Hawaiian Airlines as the first air transportation for big C47 type propeller aircraft with smaller planes from Port Allen, Kauai. Mana or Barking Sands Base has always being used as transportation and airport for our Hawaii National Guard planes and at one time training area for our military. Now the local military train in Hawaii and parts of the United States, even overseas. These missiles must remain on Kauai not only for economic purposes but for defense for the State of Hawaii. The area is available and as a veteran, defense is needed to protect even the people against everything. Desert Storm has shown how the missile works and in our minds, we should support the Strategic Target System because of common sense to National Defense and value of

## EX57 (cont.)

the economy. My point of value is how themissiles were used in Desert Storm.

#### No. II Incident:

On December 7, 1941, Sunday Morning, I was 14 years old and went with my Uncle Ben Ohai, Sr. to the Kapaa Mormon Church Farm going through the old entrance of Lydgate Park, Wailua, to the 2 acres farm large tomatoes and had to be picked ripe from the vines. About six thirty we were there and I went down to the beach area to get cane from along the railway tracks. When I saw with these same eyes yellow airplanes flying out of Nawiliwili area coming from somewhere from Niihau Island. My attention was the noise and lots of airplanes. I looked at them just about day break more or less 6:30 a.m.

December 7, 1941. I went back and told my Uncle Ben Ohai (Fish and Game Department Head, Territory of Hawaii) about what I saw-lots of yellow airplanes heading for Honolulu. His comment was never mind the airplanes pick tomatoes.

As I remember from my 14 years boyhood, those planes started World Was II and were coming from the Mana or Barking Sand area.

I believe this Project Strategic Target System is more needed to stop future sneak attacks to our island and National Defense. Let us be realistic to the needs of the use of Barking Sands site as a continuing project regarding National Defense.

One more point of value: we must write to our Congressional person from Hawaii to support the security of Hawaii's National Defense in supporting the continuence of this Strategic Target System and to work for a 100 mile off limits to any foreign nation in the Hawaiian waters instead of 3 miles.

### EX58

SUPPORTING THE PACIFIC MISSILE RANGE BASE AND STRATEGIC TARGET SYSTEM
MY NAME IS EMMALINE KALIKOLAUAE LOVELL WHITE, A KAMAAINA AND RESIDENT
OF ANAHOLA, KAUAI, AND AN AMERICAN OF ABORIGINAL HAWAIIAN ANCESTRY.
HAVING READ THE DRAFT THAT WAS PREPARED BY THE U. S. ARMY STRATEGIC
DEFENSE COMMAND. I FIND THAT THE STRATEGIC TARGET SYSTEM MISSILE IS
SAFE AS A LAUNCH VEHICLE AND THAT IT CONTAINS NO NUCLEAR ACTIVITY.

1

LOOKING BACK AT THE DECEMBER 7, 1941, ATTACK ON PEARL HARBOR, WHERE THE ISLANDS WERE UNPREPARED FOR DEFENSE PROTECTION, I BELIEVE WE SHOULD SUPPORT THIS MATTER OF NATIONAL DEFENSE.

IT IS IMPORTANT THAT THE NATIONAL DEFENSE OF THE UNITED STATES BE PREPARED FOR ANY NUCLEAR ATTACK FROM ANY AGGRESSOR NATION.

AS WE WATCHED THE DESERT STORM WAR ON TELEVISION, ONE CAN SEE WHERE THE SCUDS ARE INTERCEPTED IN THE AIR BY THE PATRIOT MISSILE.

HAD THE UNITED STATES WITH ITS NATIONAL DEFENSE NOT BEEN PREPARED, THOUSANDS OF PEOPLE WOULD HAVE PERISHED AND DIED.

THE PACIFIC MISSILE RANGE IS A VITAL PART OF OUR COUNTRY'S DEFENSE.

IT IS NOT ONLY OUR DEFENSE THAT IS VITAL, BUT OUR ISLAND ECONOMY
AS WELL.

SO MANY TOWNS IN OUR COUNTRY ARE ASKING TO KEEP THE BASES IN THEIR AREA OPEN, WHY SHOULD WE COSE THIS PARTICULAR ONE. WE SHOULD SUPPORT ITS PRESENT EXISTENCE. THE MANY PERSONS WHOSE JOB IS DEPENDENT ON THIS BASE IS VITAL TO THEIR FAMILIES EXISTENCE.

THEIR JOBS ON THE BASE PROVIDE FOOD FOR THEIR FAMILIES, PAYS THEIR HOUSE MORTGAGES, AND SUPPORTS THEIR FAMILIES, ENTIRETY. THEY DON'T HAVE TO DEPEND ON THE GOVERNMENT OR SOCIAL SERVICE FOR THEIR FAMILY'S SUPPORT. AFTER ALL, IT IS THE HUMAN RACE WHO ARE THE ENDANGERED SPECIES THAT NEED TO BE PROTECTED, FED AND CLOTHED.

EX58 (cont.)

WE WORRY ABOUT THE O-ZONE AND THE COMPEXITIES OF THE SITUATION, BUT WE DO NOTHING WHEN DICTATORS AND WAR MONGERS SUCH AS SADDUM HUSSEIN FIRES MISSILES AND ROCKETS THAT WOULD AFFECT THE ATMOSPHERE OR STRATO-SPHERE. WE AS ISLANDERS AND KAMAAINAS HERE ON KAUAI SHOULD SUPPORT THE EXISTENCE AND OPENING OF THE PACIFIC MISSILE RANGE BASE WITH ITS STRATEGIC TARGET SYSTEM MISSILE PRACTICE, BOTH FOR OUR NATIONAL DEFENSE AND FOR OUR ECONOMY HERE ON KAUAI.

EX59

#### Written Comment Sheet

# **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

KOLOA , HI 96 75 City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

To Strategic Defense Committee:

The Polaris missle has a 20 year track record which includes hundreds of launches. This Environmental Impact Draft ignores this history except for a brief undocumented reference to a 97% success rate.

Newspapers reported a Polaris missle failure at Cape Canaveral last summer and today we have received a report of another mishap just this week at Vandenburg.

How these failures were handled and what the consequences were seems of vital interest to us here on Kauai. The final draft of the EIS should have a complete accounting for this missles less than perfect history.

The British Military rid itself of all of its Polaris missles

in the 1980's due to "basic system unreliability".

What do they know that you haven't told us?

If we are to accept your stated figures of 3 failures in a hundred, can we not than expect at least one failure in your proposed 40 launches? And if this particular failed launch traveling at a rate of speed which will take it into the stratoshere in only 46 seconds turns back over the island?

Kekaha is only 8 miles away and I am unconvinced that 18 tons of missle will suddenly disappear when and if the terminate button is pushed.

EX60 (cont.)

1

2

In todays Garden Island a truly frightening truth has been told:

After a 30 day waiting period the Strategic Defense Initiative

Organization will issue a Record of Decision "taking into account
the agency's statutory mission and national policy"

Translation: We are wasting our breath here while the power
to make this decision lies in the hands of some anonymous
committee. Who exactly are these persons that believe
they should be granted the power to effect this islands fate?

We didn't elect them and how will they be accountable if
God forbid, there is a serious accident.

3

The Army claims to be committed to defending Democracy.

If this democracy is truly sacred then let the people of Kauai decide our own fate. Let's put this matter on the ballot this November. Not just Kekaha or the North Shore and certainly not just a few Army commanders; This choice belongs to the people of this entire island.

Shank you

August C. Manguso Lieutenant Colonel, USA U.S. Army Strategic Defense Command Product Manager Strategic Target System

Dear Colonel Manguso,

These remarks refer to the Draft Environmental Impact Statement for the Kauai PRMF, dated February 1992. They are addressed only to the Biological Resources, Vegetation, mentioned on pages 3-16 through 3-20 and 4-26 through 4-28.

My qualifications are a Ph.D. in Electrical Engineering, specializing in the mathematics of large scale Systems Engineering, University of Southern California, 1971. My field of interest has been evolutionary biology, and for the past 12 years I have studied the indigenous flora of the island of Kaua'i. I operate a business that grows these plants in a nursery and designs natural landscapes.

I support the effort of the employees and other Westsiders to preserve PRMF, it offers a tremendous opportunity and resource, compared to the alternatives, and we must all help to preserve its presence on Kaua'i.

My opinion of the current draft EIS concerning the vegetation on the pages cited above is that it is woefully inadequate. The document mentions only Ohai (Sesbania Tomentosa) and Puapua moa (Ophioglossum concinnum). Other indigenous species that I have observed on the base, and are confirmed in the Botanical Consultants report of 1985 and the Transverse Group study of 1987 referenced in the EIS, are:

A'ali'i (Dononaea viscosa) Alena (Boehavia repens) 'Aki 'aki (Sporobulus virginicus) 'Akoko (Chamaecyce celestroides) 'Akulikuli (Sesuvium portulacastrum) Hi'aloa (Waltheria indica) Hinahina kahakai (Nama sandwicensis) Huna kai (Ipomeas imperati) 'Ilima (Sida fallax) Kauna'oa (Cuscuta sandwichiana) Mau'u 'aki 'aki (Fimbristylis cymosa) Naupaka (Scaevola sericea) Pohinahina (Vitex rotundifolia) Pohuehue (Ipomea pes capre) Pa'u o hi'iaka (Jacquemontia ovalofolia)

Many of these plants are not listed as endangered by the Federal government, although list is not necessarily indicative of the real situation because political considerations and bureaucratic incompetence play a large role in the listing process. The IUCN (International Union for Conservation of Nature and Natural Resources) lists at least one the above plants (Hina hina kahakai) as vulnerable to endangerment due to extensive habitat destruction. And there are many listed endangered plants, and

EX61 (cont.)

extinct plants, that were previously present on the land which PRMF occupies.

Some of the above species are not listed as endangered only because they are found on other Hawaiian islands. But with respect to Kaua'i only, they are in danger of extinction on this island. Also, the outdated concepts used by taxonomists do not recognize the unique gene pools that exist on Kaua'i and the genes that will be lost as the populations on the islands continue to decline. Even on Kauai, plants such as A'ali'i, have different genes at Mana and Barking Sands than they do in Kokee.

It is a grievous fact, that the largest accident I can imagine at PRMF would be a small insult to these native plants, compared to the holocaust that has befallen them since the arrival of the Europeans. The No Action Alternative on page 4-28 states: "Therefore no impacts to biological resources are expected to result from the no action alternative." However, even this is a incorrect statement; if the current neglect and some actively destructive practices continue at PRMF, the indigenous plant population will continue to decline, and other alien species brought in by humans will continue to choke them out.

This situation is certainly no different than elsewhere on Kaua'i. But PRMF has a special opportunity. And it is possible, with minimal effort, to become the best location on Kaua'i in terms of effort to protect and restore indigenous plants. You can restore the Ohai, and Pua pilo, and Ilie'e, the Naio, and the dwarf Naupaka, and 'Ihi to their former home.

If you would start an active program to restore and protect indigenous plants at PRMF no one could fault you for performing the most exemplary effort on the island. You should plant and monitor several such communities of these plants at varying distances from the launch sites. I do not think that the plants would be damaged at a distance of about 200 feet, and you should not hesitate to put plants there, and collect long term data. This data will help in the long term use of the base for future launches or other purposes.

These indigenous plants represent a resource that no amount of technology can replace once they are extinct. They have been on Kaua'i for thousands of centuries and they have changed in ways that have adapted them to these islands as their only home. It is not unlikely that one of the actions we currently consider the most insignificant in this program, will turn out to be your largest endowment to national security.

Singerely,

Min Shaefer

Brian Schaefer

#### PUBLIC COMMENT TO THE EIS

I've looked at the STARS EIS and I support it's conclusions that there will be no significant environmental damage to Kauai. The people putting together the EIS should be commended for making a thorough and honest attempt to evaluate any potential damages.

Frankly, I'd rather eat dirt than stand in front of this microphone and try to force my beliefs on somebody else. It's not my personality to be an activist and whine about things. But I have to get a few things off my chest.

First of all, this meeting is not about the hole in the ozone layer. To solve that particular problem, we're going to have to ban aerosol spray cans, ban air conditioning, ban refrigerators, and even ban the space shuttle - just to name a few things. Yes, this is the same space shuttle that is presently orbiting the earth, studying the depletion of the ozone layer. And not only ban these things in the United States but also in the rest of the world. That's the rest problem, because the pearar nations of the world are not going to accept any high-cost alternatives that technology might come up with. The STARS contribution to this problem is miniscule. I'm surprised mobody has heatified that STARS launches are going to contribute to global warming, because they will:

Secondly, this meeting has nothing to do with Hawaiian homes or Hawaiian sovereignty. The Hawaiian people have a problem, and I agree they need visibility, but that problem has nothing to do with the STARS program. It's a separate issue entirely. The STARS project can't solve Hawaiian problems. Our legislators are going to have to do that.

STARS is said to violate the "spirit" of Kauai. What is the "spirit" of Kauai anyway. Is it the Westin? Princeville? The traffic jams in Kapaa? The doubling and tripling of the size of Poipu over night? Why don't you people who know so much about the "spirit" of Kauai try to solve a real issue that has an impact on all of us? For twenty years PMRF has been launching rockets from Manaa and there has been no negative impact on the West side. In fact, it's common knowledge that the West side of Kauai is one of the last places that has any "aloha spirit" left. Different rocket programs have come and gone and none of this has changed. STARS won't change it either.

People say that they're opposed to STARS and all of SDI because they want to promote peace in the world. That's not what is being demonstrated by the STARS protestors. I hear nothing but anger, hostility, antagonism, discourtesy. If you can't demonstrate peace and humility to your own neighbor, how can you expect to promote peace in the world? For thousands of years, Christianity and every major religion has been preaching love,

## EX62 (cont.)

 $\Box$ 

compassion, and non-violence. But for thousands of years there have been wars. Let's be realistic. Let's start planning for the next war - today. So those of you that want peace in the world, I salute you, but don't try try to cram your version of peace down my throat.

So in summary, I support STARS and I don't think it will change our Kauai lifestyle one slight bit.

James Hager Kalabeo

8

#### COMMENTS TO STRATEGIC TARGET SYSTEM DEIS

I am Jim Lawshe from Kalaheo, and I support the Strategic Target System and PMRF. I have been a resident of Kauai and a contractor employee at PMRF for the last 18 years. Four years prior to this I was involved with modifications of optical instrumentation equipment to White Sands Missile Range, Edwards Air Force Base and the Western Test Range Before this I was at Holloman Air Force Base and White Sands Missile Range in New Mexico for 23 years.

I have stood at the impact site of the first test vehicle launched at Holloman. It was a booster test and the test vehicle was a telephone pole. I was present when the first ground launched aircraft guided missile found its target and bored a hole through the parachute target. I have been at ground zero at the Trinity atomic bomb site in New Mexico. I observed Enos, the second chimpanzee in space, at Holloman after his notable flight. I was there when Colonel Stapp rode the high speed sled at Holloman onto the cover of Time magazine, and today all of us fastened our seat belts when we drove to this meeting.

Now I am at PMRF and I am very excited about the STARS program. I will be watching the first Strategic Target System lift-off, gain speed and disappear to keep its rendezvous at the Kwajalein Missile Range - 250 miles from the island. That is right - 250 miles. It will not "Bomb the Island", as someone stated last night. Sometimes, the truth is very illusive.

My greatest experience at Kauai has been the local PMRF people. There is more Kauai Spirit at PMRF than from those who oppose STARS. For proof, I refer to as recent as last night. Charlene Castor, sincere, quietly respectful, and Hawaiian, showed far more O'Hana than other speakers. If there are ten unemployed Hawaiians for every employee at PMRF, they, the unemployed should do something about it as the locals at PMRF have done. The locals at PMRF have made the effort to improve themselves, They have earned what they have, and I respect them for it.

I commend the Army for the DEIS. I am; however, reminded of the cliche -

#### EX63 (cont.)

When you want people to listen, - you tell them, you tell them again, and then you tell them again. Regarding air quality, and I quote from the DEIS. "Air samples will be collected during the first demonstrative launch to validate compliance with federal and state standards." To the preparers of the EIS I request you say it again, and again, and then that you can demonstrate compliance. A few months ago, air quality of the Hawaiian Islands was poor. The culprit was not the Strategic Target System, the culprit was volcanic ash. Volcanoes contribute as much as a third of the total annual global stratospheric chloride burden, while the Strategic Target System will contribute 0.001 percent to the total annual burden. Those concerned about ozone depletion, already, are blaming STARS. They should be talking to Madame Pele, not to the army about their concerns.

The Mayor, in her infinite wisdom, has decreed that there will be no transportation of liquid hydrazine and nitrogen tetroxide on Kaua'i public highways. This is the same infinite wisdom that is doing so well in solving the islands traffic problems and the boating problems at the north shore. Those who have vocally opposed STARS are overlooking that four alternate transportation routes have been established in the DEIS. Two of these do not involve Kauai highways or ports. They also overlook the statement that the proposed action in the DEIS is to transport hydrazines using military, exclusive-use cargo aircraft to deliver the fuel to PMRF. Exclusive-use cargo aircraft is also being considered for nitrogen tetroxide (although a waiver from DOT will be required).

I'd like to suggest another alternative to the Army.

At Oahu, load and secure the tetroxide container onto an amphibious vehicle. Load and secure this vehicle to the deck of a cargo ship. The ship will then proceed offshore of the PMRF landing beach, lower the amphibious vehicle into the water which can then proceed to and up the beach directly to the holding pad at KTF. This requires a relatively calm ocean, but the number of deliveries in a year is only one, two, or maybe three, and they can be scheduled during calm periods.

1

In closing we have just today collected 134 additional Declaration of Support for PMRF letters. These when added to the Declarations presented by

I have one final request of the Army, The DEIS is good. For the sake of the PMRF local people - the yellow shirts - the real Kauai Spirit - MAKE IT MO BETTA.

Thank you and Mahalo.

Jin Kurke

**E384** 

# Comments of Ken Jones On the Draft Environmental Impact Statement for the Strategic Target System

Tuesday, March 24, 1992

The following comments address the portion of the DEIS concerning the impact of the proposed STARS launches on the protective Stratospheric Ozone layer of the earth.

The DEIS inadequately addresses the potential for increases in human skin cancer due to depletion of stratospheric ozone as a direct result of the STARS launches (NRC 1982).

The DEIS points out (pages 4-17 - 4-20) that the Strategic Target System program will release ozone depleting chemicals in the in the first and second stage exhaust emissions and in the halon 2402 used at altitudes between 18 miles and 104 miles.

The DEIS (p. 4-19) assumes only a best-case scenario concerning the impact that each 1-percent decrease in stratospheric ozone will have on the percent increase of the incidence of human skin cancer. Research provided by the National Research Council shows an estimated RANGE of 2% to 5% increase of basal cell skin cancer, and a probable 4% to 10% increase of squamous cell skin cancer per 1% decrease in stratospheric ozone.

A NASA report released in February showed a 10 percent drop in the density of the ozone layer over Kauai. At the worst case scenario of 10% increase of squamous cell skin cancer for each 1% drop in ozone that equals a 100% increase in the incidence of squamous cell skin cancer. And this is before any of the ozone has been depleted by the STARS launchings.

The DEIS states that "the predicted increases are appreciably greater at lower latitudes (closer to the equator) than at higher (NRC 1982)" (p. 4-19). It then goes on

to say that the "effect of changes in the ozone layer on the incidence of skin cancer was explored using data from <u>Norway</u>." The final EIS should evaluate data taken from Hawali, not Norway.

2

While the DEIS states that there will be no significant Impact on the incidence of skin cancer resulting from the launches, the evidence indicates a high probability that of the 51,000 people on Kauai one person will get skin cancer as a direct result of the Polaris launchings over a period of a year.

On January 1, 1991 the Hawaii Ozone Layer Protection Statute went into effect prohibiting any person in the state from willfully causing or allowing release of designated chlorofluorocarbon chemicals into the air from any source or process including automobile air conditioners and household air conditioners and refrigerators. The overall purpose and intent of the law was to protect the people of Hawaii and the rest of the world from increased exposure to skin cancer, cataracts, and damage to the human immune system that occurs when the protective ozone layer is depleted by release of those and other chemicals.

So, while the U.S. Army Strategic Defense Command has found a loophole in the state law against Freon release, they are violating the spirit and intent of the law if not the letter of the law, and are willing to jeopardize the health of the people of Hawaii and other places in the world to test their missiles.

Thus, I find that the DEIS is inadequate, and that the danger to human life and health is too great to continue with the proposed missile launch program.

EX65 O Reia and 1 EX65 (cont.) destroying & land, whether it be the carlessness, or the intentions 2 someone home, w the newly separated ex-soviet republics. For years, Native Hawaiians have been posoile, inductantly allowing the U.S. government to take advantage of our alone Today, our sacred Tanks plants all animals are in jeopardy but greatest of all, our people are now on opposite sides of Each other. I just want to say: Stop the demage. | Stop reconstructing the land for foolish purposes. Stop dostroying the endemic flora and fauna which, Ithrough containes of natheral relection, adapted to the unique, geophysical shake up of this paradex and stop, by all means dividing our people by telling them that their lives will affected if it doesn't rappen rather than the other way

EX65 (cont.)

On my way here I was
blessed with the appearance of
my 'aumakua. My family's spiritual
querdian The preprior owl, flus
above, our car this evening. I
know that the spirits of mys
ancestors are on our side, the
few, winn, endangered Havarian
people seeking justice in this neverenking battle.

The spirits of our ancestors cry out. Let the 'aina live Let ! the people live. Let aloha live.

ho'olehe ona. Mahalo no.

Kaleiale i Kajopio 4676 Mailihuna Rd, Kapaja, Ht 96746 EX66

PATSY T. MINK SECOND DISTRICT, HAWAI

7743 ничетем оттое: 2135 Rayburk House Office Building Warnington, 06 208 19-1 102 (202) 225-4908 FAX (202) 225-4887

CIRTHOT OFFICE; 5104 PRINCE KWIIG FLORAL BUILDING F O. BOX 50124 HOMOLULY, HAWAII \$8860-4977 (808) \$41-1908 FAX (808) 538-0233 COMMITTEE ON EDUCATION AND LABOR

Sudcommittee: LEMENTARY, SECUNDARY EVOLATIONAL EDUCATION POSTECCOMDARY EQUIDATION LABOR-MARAGEMENT RELATIONS

COMMITTEE ON GOVERNMENT OFERATIONS

Subcommittee:
Human Resources and intercovernmental fillations
Government Impormation, Justice and Agriculture

STATEMENT FROM U.S. REPRESENTATIVE PATSY T. MINK

Congress of the United States

House of Representatives

Mashington, 2€ 20515-1102

ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)
FOR THE STRATEGIC TARGET SYSTEM (STARS)

MARCH 25, 1992

Paty T. Mile

Thank you for this opportunity to comment on the DEIS for the Strategic Target System testing program from the Pacific Missile Range Facility (PMRF) at Barking Sands, Kauai. This is an issue of immense importance to this community, which is called the Garden Island for good reason.

The people of this blessed island have always taken the custody of Kauai's natural assets as a priority concern, and this guardianship has persisted in the face of economic cycles of hardship and prosperity, a transformed citizenry, an all-pervasive visitor industry, and the inexorable demands for new housing, transportation, infrastructure, power generation, waste treatment, clean water and other critical services of government.

It is no coincidence that Kauai's environment has endured despite these many perils, and the STARS program must also satisfy this scrutiny in proportion to its potential to inflict greater, and heretofor unimagined damage, on the land and seascape.

## EX66 (cont.)

That this EIS came to be mandated by Congress in the FY 92
Defense Department Appropriations Act is a consequence of the
Army's resistance to such a study in the face of public outcry
that its court-ordered and narrowly-focused Environmental
Assessment (EA) conveyed little assurance of the testing
program's wider implications. I am pleased that my actions in the
U.S. House of Representatives on May 22, 1991 kept the
requirement for an EIS alive through language in the House
version of the DoD authorization bill, which declared the "sense
of the Congress" that STARS testing was a major federal action.
The Army's flippant dismissal of this language was quickly
dispelled when Senator Inouye inserted irrefutable language in
his Armed Services appropriations subcommittee that restricted
STARS funding until this EIS was conducted and accepted in final
form.

I join with the community in commending the Army in its efforts to consult with the public throughout its EIS process, however. The briefings, notices and public meetings conducted on Kauai in the last several months have demonstrated a concerted attempt to gather community input and concerns, so I am disappointed that the actual draft document should be so flawed, despite this effort at community relations.

Let me state at the outset that I am in total support of PMRF and the research role it plays in our national defense. I believe the majority of Kauai also supports the facility, which has been a good and reliable neighbor on the island. The test site is a

### EX66 (cont.)

good and reliable neighbor on the island. The test site is a welcome employment alternative for residents, and has operated according to the highest scientific and safety standards in the past.

But we are confronted with a Draft ZIS on a Kauai Test Facility program that was long and hard in coming from the military; it betrays a bias that is inescapable, given its sponsor and authorship. I offer my comments only to improve the content and confidence of the final EIS, and look forward to the Army's candid response to my critique along with those of others participating in this hearing.

Although the National Environmental Policy Act (NEPA) requires consideration of all reasonable alternatives to a proposed action, I note that this DEIS reviews STARS' environmental consequences and mitigations with the summary dismissal of other possible alternatives without thorough examination. From "Geology and Soils" to "Water Resources," "Noise," "Hazardous Materials" and beyond, the "No Action Alternative" is the only other option consistently offered. It appears that the authors took little effort to explore middle ground, insisting on the Army's way or no way.

In contrast, the discussion of the transport of toxic liquid fuel propellant to PMRF includes four alternatives. Shipment directly to the facility is possible via military air cargo, by commercial cargo vessel to Oahu and beach delivery by landing

## EX66 (cont.)

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2

craft, the same route with transfer to beach landing craft at Port Allen, or overland transfer to Barking Sands after ocean shipment to Port Allen. The preferred, proposed action is to transport hydratines using military, exclusive-use cargo aircraft directly to the facility, with the remaining options utilized in the event of "unexpected adverse conditions." In keeping with this DEIS's single-mindednes, no description of these adverse conditions is addressed, much less why the fuel would be safer in a landing craft working its way through surf to come ashore at Major's Bay, or why being driven on a public highway is more plausible under these same adverse conditions.

I am concerned that the DEIS does not adequately investigate STARS's threat to endangered species in the locale of the test facility. However remote the possibility of harming species such as the chai, Adder's tongue, Hawaiian ducks, ccots, stilts, monk seals and heavy bats, green sea turtles, Newell's shearwater, and humpback whales, any contribution to the irrevocable extinction of these plants and animals must not be risked under any circumstances. Mitigation measures seem hardly adequate within the context of the report.

Termination of launch activities is reviewed under three scenarios: on the launch pad, in early flight, and with pitch back over the island. Once launched, great reliance is placed on the "more than sufficient time" of 3.5-seconds for a Range Safety officer to detect, decide and terminate a missile's flight to

ClibPDF - www.fastio.com

### EX66 (cont.)

minimize the fire, debris and air pollutantion around or beneath the exploding missils vehicle.

The restricted ground hazard area for each launch is a modified 10,000-foot are encompassing portions of Polihale State Park and nearby sugar cane fields. In the event of a termination decision within the 3.5-second window, damage is expected to be confined to this area.

There is no deliberation whatsoever, however, of a worst-case scenario. Suppose the decision time takes longer than 3.5-seconds. Suppose the termination command apparatus inexplicably delays or fails to respond. Suppose the missile heads for Hanalei Valley, or Lihue?

What are the appropriate emergency measures and equipment to deal with such a catastrophe? Will civil firefighting, burn and rescue techniques be adequate? The damage from a 36,577 pound, refurbished Polaris A3 missile with an GRBUS 1 third-stage motor is sure to cause damage as yet unknown to Kauai's emergency personnel.

However unpleasant, prudence dictates that this eventuality be reviewed, and that the State and County be furnished with proper equipment and training to respond quickly and effectively to the more extensive property damage or human casualties of a flatout missile disaster.

### EX66 (cont.)

5

Of equal concern is the use of booster rockets averaging 26 years old that must undergo extensive refurbishing to bring up to Weapon Specification 1151 performance, reliability and zafety compliance. Older Polaris AJ second-stage boosters have already experienced forward done burn-through failures that current refurbishment procedures are supposed to correct. But aging caused this problem, and there is little cause for comfort that more than 3 dozen identical missiles will be launched from Kauai.

The payload third-stage motor also benefits from the military's indulgence. Toxic hydrazine liquid propellant will be used in this stage on some occasions, and there is apparently "not a large statistical data base to address motor reliability."

Rather, a manufacturer's predicted reliability factor based on computer programs and manufacturing information is accepted, with a five-year storage life projected. One wonders about the dependability of payload stages in the later phases of STARS.

This Draft does not review at all the history of missile launches at PMRF, and whether there were any mishaps or incidents in years past. Neither does it discuss the differences and similarities of these earlier launches, so we might better transpose historical records to what is anticipated and provided for in STARS.

Finally, since the Army went through so much effort to identify public concerns and objections to the STARS project through briefings, hearings and other methods, I am troubled that it 7

8

would dismiss so many of these issues with terms such as "small risk," "unlikely," all precautions will be undertaken," "insignificant," "no impacts anticipated" and "very little hazard." I suggest that the authors review the entire EIS and substitute the information that those terms are based on to assure readers such comments are warranted, and why.

As a Member of Congress, I am called upon to debate and vote upon matters of national defense and policy time after time. My return to the U.S. House in 1990 was predicated on the dividends of a post-Cold War economy that would rechannel our resources and energies into more productive pursuits critically needed by our people. After more than a decade of runaway spending on new and grander weapons systems, our cities, infrastructure, schools, highways, environment and social services have suffered enormously.

with the nationalization of eastern-Europa, global trade allliances, collapse of the Soviet Union and other momentous events around this planet, our priorities have also changed. Congress agonized over base closures throughout our military system, and more are surely to come. We have battled to fund the full range of services while digging ourselves out of a debilitating recession and national dericit. And we have seen the inescapable writing on the wall that America is no longer able to afford everything it wants from its government.

EX66 (cont.)

The Pacific Missile Range Facility has unique and exceptional operational characteristics unavailable to the U.S. military anywhere in our country. The quality and dedication of its employees are unquestioned, and they have every reason to be prideful of their work, their expertise, and their record.

It is my hope that the EIS that is finally issued on STARS testing at Barking Sands does justice to the facility and its personnel. Many have called for this study, and now we have the opportunity to judge and criticize at will. If we are sincere in this process, then the outcome can only add to our understanding of STARS, so an informed consensus can be reached on its future.

Thank you for your attention.

Pary T. mike

EX67 NO TO STARS ON KAVAI: David g Damell 1

Written Comment Sheet						
Strategic Target System						
Draft Environ	nmental Impact Statement					
ank you for attending this public nments on the Draft Environmen	hearing. Please use this sheet to provide us your written ntal Impact Statement for the Strategic Target System.					
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The decision	on the FINAL EIS					
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	form in or mail by April 13, 1992 to:					
Į I	Deputy Commander y Strategic Defense Command					
Attention	n: CSSD-EN-V (D.R. Gallien)					
	P.O. Box 1500					

EX68 (cont.) Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. May Elser Address City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Address City/State/Zip Code Street Address Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

EX69

hank you for attending this public ho comments on the Draft Environments	aring. Please use this sheet to provide us you I Impact Statement for the Strategic Target Sy	r written stem.
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	Maritten Comment Chart
	Written Comment Sheet
	Strategic Target System
Dr	aft Environmental Impact Statement
	ending this public hearing. Please use this sheet to provide us your writter Draft Environmental Impact Statement for the Strategic Target System.
_	IDN/ COMMENT.
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opponent.	
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/15/e -	to respond to spenkers commais being
made	
<u> </u>	
Jame	
Address	
	Address City/State/Zip Code
ſ	Please hand this form in or mail by April 13, 1992 to: Deputy Commander
	U.S. Army Strategic Defense Command
]	Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500
I	Huntsville, Alabama 35807-3801

March 22, 1992

Ofter reviewed the EIS concerning the STARS program I feel the concerns of the cilipins by Nowail have not been gadrened. This argum may prove hambour and should not be allowed to take place.

Os a heritest of towar please court me as against this program.

Thank your places toward place toward the program.

Alank your places to the program to the place toward to the program to

<u>EX73]</u> March 25, 1992

Deputy Commander
U.S. Army Strategic Dalence Command
Attendin: CSSD-ENV (D.R. Goll. Em)
POB 1500
Hundsville, Alabama 35807-3801

Dear Commander:

I want to focus our time. every dud money in directions other than STAR WARS technology. Sim against continuation of dury such projects here on bound and specifically deprint nocked launals from PMRF.

I believe it is time there our government began enacting policy that is more life affirming and responsible to the new world that is being created in this decade.

I believe the impact on Earner of the Strategic to the Eyestern program is contrary to the spirit of tourier dud quite horneful to be who live here.

Surerely Sharon Tomas POB 503 HADAPEPE, Kouri, H. 96716 EX74

3/25/92

Dear LTC. Manguso,

The testimony you're about to read cannot be cross-referenced in a book because this material comes from my heart. It is based on my beliefs and the love I have for my country. It is also based on being a working mother of a lively, beautiful 2 year old daughter and having a household to maintain. You know... bring home the bacon, fry it up in the pan, and never let him forget he's a man... Well, that leaves me with very little time to scrutinize every bit of the DEIS as the opposition has done. I've read some of the DEIS and am satisfied with the stuff I can understand. I trust in you and the Government for the rest and anything after that I don't have a need to know. (Having done 6 years in the Hawaii Air National Guard, I am fully aware of "knowledge on the need to know" basis).

The opposition implores us towards peace and to lay down cur arms because the Cold War has ended. I feel this Country's mainstay is it's unsurpassed technologies in defense which we need to maintain and even upgrade to keep up with the flow of world events. And the flow of my world's events is my daughter's future. I believe the STARS project will enhance my quest of ensuring my daughter's free future. The opposition seems to have forgotten how so many people before us have given their lives to maintain the freedom to do and say what you want, when you want and how you want that this Country is so known, loved and envied for. There's a bumper sticker I've seen around —— "Lucky you live Hawaii", but I say "Lucky you live U.S.A."

Carlace aguitin

EX74 (cont.) Candace Adustin 4430 Pio St. Lihue, HI 96766 March 23, 1992

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative enegry sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,

9. wicono ( , 2, 1)

E. Woodyard, Ph.D. Suite 3039-129 Kaumualii Hwy

Lihue, HI 96766

EX76

#### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials;

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, super markets, gas stations, autosobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc, etc, would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and and make decisions wisely.

Yours Truly:

Signature Printed Name Address William C Juster William C Juster Comments Comme

CHRITTEN COMMENTS ON BACK)

EX76 (cont.)

Aso I would like Mr Inouge, Mr Akalon, How Waiker and Joann Gekenning, In not hopey with your performance and I will note against you is reproming election who flef

EX77

#### DECLARATION OF SUPPORT FOR PARE

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address Va Avan-Va Varien Bas 1/1 Eleste 11 11-05

(WRITTEN COMMENTS ON BACK)

- D Save jobs! not contemployment

  2) Conjecute Hawaiian Home land Commission
  for market land lease if not being done.
- 3). Valid E.I.S.

**EX78** 

1

#### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE SENATOR DANIEL K. AKAKA REPRESENTATIVE PATSY T. MINK REPRESENTATIVE NEIL ABERCROMBIE GOVERNOR JOHN WAIHEE SENATOR LEHUA FERNANDES SALLING REPRESENTATIVE EZRA KANOHO REPRESENTATIVE BERTHA KAWAKAMI MAYOR JOANN YUKIMURA KAUAI COUNTY COUNCIL

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> Signature Printed Name Address

CHRITTEN COMMENTS ON BACKS

EX78 (cont.)

I'm glad my comments have been adhered to -

EX79

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INCUYE SENATOR DANIEL K. AKAKA REPRESENTATIVE PATSY T. MINK REPRESENTATIVE NEIL ABERCROMBIE GOVERNOR JOHN WAIHEE SENATOR LEHUA FERNANDES SALLING REPRESENTATIVE EZRA KANOHO REPRESENTATIVE BERTHA KAWAKAMI MAYOR JOANN YUKIMURA KAUAI COUNTY COUNCIL

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> Signature Printed Name Address

De written Comments (WRITTEN COMMENTS ON BACK)

Je a my opinion that those who are protesting the suistance of the lave and the sporations are those that of their what have that from the auticle. Our concerns, those board and reared here on Favour, that they care here on Favour feel that they care here on Favour and and concern had a their and selfish needs.

I MRF is a wital smy stance for we and for the rable of the LIS

EX80

## DECLARATION OF SUPPORT FOR PHRF

O: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATRY T. MINK
REPRESENTATIVE NEIL ABERGRÜMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOHN YUKIMURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address Yours Truly;
Mank M. Markauks
MARK M. MARKE SKI
FC BOX #124
KEKAND, HI - 36752

(WRITTEN COMMENTS ON BACK)

## EX80 (cont.)

I KNOW THE UNITED STATES NEEDS A STRONG MILITARY, AND I KNOW THE UNITED STATES NEEDS MILITARE
PROGRAMS LIKE THE STAR'S PROGRAM, A STRONG MILITARY IS THE SAFEST WAY, FOR A LONG LASTING
PEACEFUL COEXISTENCE,

RESPECTIFULLY SUBMITTED

EX81

#### DECLARATION OF SUPPORT FOR PMRF

1

TO: BEMATOR DANIEL K. INDUYE
BENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
BENATOR LEHUA FERNANDES BALLING
REPRESENTATIVE EZRA KANDHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKINURA
KAUAI COUNTY COUNCIL

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6

Signature Printed Name Address

ID AUX 1196 WAIMER, KAVAT 96796

(WRITTEN COMMENTS ON BACK)

DON'T LISTEN TO ABUNCH OF HADLES
WHO ARE NOT EVEN FROM HAWAII, OR HAVE

JUST LIVED HERE 24 EARS they should

GO home, AND NOT TRY to RUN OUR

ISLAND TIKE CALIFORNIA, these groups

LIKE SERREA CLUB

Lauika culca-

P.S. Open Your Eyes, this will NOT

ONLY EFFECT HAWAIIANS BUT All the

LOCAL people, born and Raised in

Hawaii

EX82

### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES BALLING
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MAYOR JOANN YUKIHURA
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8ignature Printed Hame Address Dehacl W Doy 100 Feb 10000 Warnes FFT 916152

CURITTEN COMMENTS ON BACKS

EX82 (cont.)

Come on People we elected you folks to support us "quite" people trying to Make a living on this Island. I hope you guys are not "swaged" by all the "Propaganda" of folse statements used by a select few which to me, how no idea what they are talking about and the import the westings would expension if the Navy Pelled out.

EX83

#### DECLARATION OF SUPPORT FOR PARE

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOUERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
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Signature Printed Name Address Yours Truly; Oph D. Varmon John D. Versonou P.O. Bex 184 ELEXAE, 141 9505

(WRITTEN COMMENTS ON BACK)

## EX83 (cont.)

I SUPPORT PMRF & THOSE WHO HAD OPPOSE IT,

Altowerner, has a perspectfule that is really Blown out

OF PROPORTION, THEY (FEEL THAT THERE WATHINGS SHOULD)

BE VALID, NOT KNOWING THE OTHER SIDE OF THE COIN,

IS TO BE IMPACTED ECONOMICALLY.

EX84

## DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE HEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
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Signature Printed Name Address Yours Truly;

Lety A Lame AD.

South B. Kanna

Honorets H. 76116

CHRITTEN COMMENTS ON BACKS ( OVER)

EX84 (cont.)

EX85

#### DECLARATION OF SUPPORT FOR PHRE

TO: SENATOR DANIEL K. INDUYE SENATOR DANIEL K. AKAKA REPRESENTATIVE PATSY T. MINK REPRESENTATIVE NEIL ABERCROMBIE GOVERNOR JOHN WAIHEE **BENATOR LEHUA FERNANDES SALLING** REPRESENTATIVE EZRA KANOHO REPRESENTATIVE BERTHA KAWAKAMI MAYOR JOANN YUKIMURA KAUAI COUNTY COUNCIL

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> Signature Printed Name

Address

CURITTEN COMMENTS ON BACK)

## EX85 (cont.)

Dear elected officials:

It is my personal opinion that your attention in this matter is well overdue. To force a base into closure due to financial consideration is one matter. To allow a special interest group to effect the economic growth of this small island is another. It is your responsibility to represent the people that elected you: Not the special interest groups that pat you on the back and provide financial support.

I would like to point out that this special interest group hiding behind the environmental issue is in fact the headquarters for the NEW AGE RELIGIOUS GROUP and their main objective is one world government. No wonder they want the military out of their domain: It demonstrates a threat to their overall purpose.

Please do not fall into the same pattern the Roman Empire demonstrated: We are strong and no one could possibly attack. History has always repeated itself and unless you are careful, you could easily fall into the same category.

The Soviet Union is still an enemy of the constitution of the United States because the Soviet Union has never changed their overall major goal: To control the world with their ideology. Facts are they can not feed their people, this does not mean they have become our friends. The people are wonderful I am sure, but the government still has the same major aim.

In conclusion, please consider the major purpose of this special interest group on Kauai, (The New Age Movement), and their primary interest in the military base closure. Then consider that Soviet Union remains a viable threat. Then consider the impact Barking Sands base closure would have to the fighter pilots who were trained on the Phillipine ranges, and then consider the impact to the local economy.

I am concerned at the disregard for the voter's rights by Congressmen and how the votes are tailored to represent special interest groups. It is high time you consider the position you were elected for and represent the needs of Kauai and the nation as opposed to the group that pads your pocket. Remember, Kauai helped in the election process, whereas all the environmentalists did was to raise a stink and show up. Please do not become their puppets! Thank you.

Sincerely,

Scott W. Stevens P.O. Box 549 Waimea, HI 96796 808-742-1728 EX86

#### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WATHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYDR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address Yours Truly;

Sondy Motucole

South MAKUAOLE

BOX 212

WAIMEA HI 76794

(WRITTEN COMMENTS ON BACK)

### EX86 (cont.)

I have not been silent. I feel our North Share neighbors are spreading untruths and half troths in an attempt to stop programs they know nothing about. America needs a strong defense Russia is not the only enemy. Every day, every decade, will be bring a new bully for the lay

Janke Motwood

EX87

#### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. IHOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address Yours Truly;
Degay K MonkamHUSGSY I NORIK TOWN
HAGE HARLE ET BJ

(WRITTEN COMMENTS ON BACK)

EX87 (cont.) What the Carnfuls on worsed ofme, they have underwater missiler operating now, and they can drap in on any time they want so what's the huf. EX88

#### DECLARATION OF SUPPORT FOR PARF

TO: SENATOR DANIEL K. INDUYE **BENATOR DANIEL K. AKAKA** REPRESENTATIVE PATSY T. MINK REPREBENTATIVE NEIL ABERCROMBIE GOVERNOR JOHN WAIHEE SENATOR LEHUA FERNANDES SALLING REPRESENTATIVE EZRA KANOHO REPRESENTATIVE BERTHA KAWAKAMI MAYOR JOANN YUKTMURA KAUAI COUNTY COUNCIL

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Signatura Printed Name Address

Lihue KAUAI

CHRITTEN COMMENTS ON BACK)

## EX88 (cont.)

Being a construction worker I know there is no major decelepment in the suburc of 1992. Also, the sticker industry is very slow in the state of Hawaii. We all know that layoffs + Job cuts only excells the recession. If PMRF is closed or if there is no more extra work done what will happen to all of these employees? why can't every one think of the other instend of think about themselves? Think about how other families will be affected with nucleurs of children? Close PMRF or reduce the employment will only hurt these families a Children, is this what the USA is all about? I hope not become these children a families are very much know a shake.

EX89

#### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address Yourg Truly; XMY JUNTA WALAGE WALAGEA LAUR,

CURITTEN COMMENTS ON BACKS

EX89 (cont.)

De prepared blint wast until other countries are well prepared. Like in Horld Was II we had excupenent Jum World was I

EX90

#### DECLARATION OF SUPPORT FOR PHRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address HARVARD A FOSIWARD KOGA DE 1667 LEHUA ST.

(WRITTEN COMMENTS ON BACK)

(secover)

EX90 (cont.)

In addition to the concerns mentioned above, I am afgalled by the lack of concern of Governor Warker and the State of fawain; Mayor Gakimbra and the Kanai connect on the following:

Mational security is the concern of the Ltate of Hawaii and the other of states of the MRF in volvement with STARS and the concern of the Jules of the income of the Jules of the southernoon in the fundament to stategically losate a site in your in impossion in National Depose of the limited States of america (Hawaii as well as the Mainland) (Hawnie as well as the Main land). 2 Hithout a fite established to defend against dear wase there and its people are placed in a sportion of provide future nuclear attack and its people are placed in a sportion of provide future nuclear attack from any country in the Fax East, stressing the alientific and teakmine Capatrition of look range nucleus misciens. I the lack of longers of the people of strucin demonstrates a politicisans. Haide fadd cookern for the people of strucin demonstrates a politicisans truver on the need to support National descents for all citizens of the figure that the foreign of the indicate town ment for all of its critiques and their includes the american citizens living ling the 5th state of one street air like the Adela, Kausi being the 13. The eighdnessel of one Strategic Site, Hadeka, Kausi, being the most western goog reghisel location of the Navarian Islands where the retweek of the National Defense System of the 25 A. This makes the Navarian Nachnessele in the court of the 25 A. This makes there were the nearly in the court of the 25 A. This makes there is the court of the 25 A. This makes the next of the 25 A. This makes the 25 A. Thi Archeragle in the event of and attacks against the to 3.4 special interest of short sightle ness on the part of philipsell and special interest groups, steems that and the survival stronger hating applies people in living in the seast for a seast for a state of the seast for a seast for the seas in the past (keeping Kausi as Kausi) lacks the concur for Kathiral Security of the good in Katina for it is developed by a nuclear town to that good is Con Caker and Harolule if it is developed by a nuclear town missile of Con the bearn club or the Nanzina Lowering nation musles Itellians of dollars to be bearn club or the Nanzina Lowering nation musles Itellians of House in Justice and the present of the party of the new less of the party in surely in funds, resource and apare technology to ported the peoples of thewa in funds, resource and apare technology to ported the peoples of the shorter to form may agree that with the advantablant of air tracker will be of the north of how (name landers) and deered Cut heaven will be for first to the back to the name and deered theretone the first part to the back to the name land when there he had needed to the name of the people of th from michel missies. This leaves the majority of fausi residents digging in and preserving whatever the napority of favoi residence digging in and preserving whatever they can too tearner and rebriefly thend or the foregoing and a concerned American Citizen, it is important that 574\$5 (He timplemented and learne a viable strategic site (Gar West) as a partl of the National Sufferior Net work of the USA She State of Hawrie is an integral part of the hosp and must art accordingly for all citizen of the 254.

Nat

EX91

#### DECLARATION OF SUPPORT FOR PARE

1

TO: SENATOR DANIEL K. INDUYE SENATOR DANIEL K. AKAKA REPRESENTATIVE PATSY T. MINK REPRESENTATIVE HEIL ABERCROMBIE GOVERNOR JOHN WAIHEE SENATOR LEHUA FERNANDES SALLING REPRESENTATIVE EZRA KANOHO REPRESENTATIVE BERTHA KAWAKAMI MAYOR JOANN YUKIMURA KAUAI COUNTÝ COUNCIL

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> Signature Printed Name Address

CWRITTEN COMMENTS ON BACKS

( suce )

EX91 (cont.)

On a westerful & believe we should tack up the project because of year relations within the status I project because of year going to be like beneral community. The sure going to be like beneral watern & the sust of the seation. Are you going to support the jistless on pay for the geople to support the jistless on pay for the geople rented & bills. There will be snore crime then rented & bills. There will be snore acting on I huga to content with. Think before acting on I matter. The people of the boothabore spoula a knowledge & #20 whereas the Locals are the without I am not ashared to say this. These purple have time to protect engithing.

Carelina Souter.

EX92

#### DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN MAIHEE
SENATOR LEHUA FERNANDEB BALLING
REPRESENTATIVE EZRA KANDHO
REPRESENTATIVE BERTHA KAMAKAMI
MAYOR JOANN YUKINURA
KAUAI COUNTY COUNCIL

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Signature Printed Name Address Yours Truly;

Apoly C. Mat.

RODNEY A. MASTIN

PO BOY (05 )

KERAMO, HI 91752

CHRITTEN COMMENTS ON BACK)

In the town of kedela which is expressionated 9 miles from the Sters land ath. PMRF is basich from the Sters land. I have fails in the men in my back youd. I have fails in the men who can the Kange "department at pmke many who also reside in kele he will their families. Who also reside in kele he will continue to have at the families of fait the his families from the parties mulling. If felt the his men and appearing members and friends on the missional men and appearing this discussion the program of my family members and friends the program of world not be significant that saving on plant, your orly noticed deplace but saving on plant, you plant this fugion than.

EX93

#### DECLARATION OF SUPPORT FOR PHRE

TO: SENATOR DANIEL K. INDUYE SENATOR DANIEL K. AKAKA REPRESENTATIVE PATBY I. MINK REPRESENTATIVE NEIL ABERCROMBIE GOVERNOR JOHN WAINEE SENATOR LEHUA FERNANDES SALLING REPRESENTATIVE BERTHA KAWAKAMI MAYOR JOANN YUKIMURA KAUAI COUNTY COUNCIL

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Signature Printed Name Address Harriet K. Horibe Po. B. 373 Lawai, Hi, 96765

(WRITTEN COMMENTS ON BACK)

1

**EX94** 

## DECLARATION OF SUPPORT FOR PHRE

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE HEIL ABERCROMBIE
GOVERNOR JOHN MAINEE
SENATOR LEHUA FERNANDES SALLING
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Signature Printed Name Address Peggs Sort Peggs Sort Peggs Sort Peggs Sort Ralakeo H I 71 711

CURITTEN COMMENTS ON BACK)

## EX94 (cont.)

I support PMRF folly my father worked there for over 15 yrs and my brother also works there I believe all this Contriversy if a pile of buil, I've been to several of the rocket function and every precaution is taken by Sendia labrotories to ensure no one gets hurt.

They also scrub a bonch at the Slightith inst of trable; the people of PMRF work very hard at these jobs and should be supported by our government as much as possible.

Please don't let a bunch of fooks ruin 100's of lives and distray familys who work for a living.

Sincerely Soto

EX95

#### DECLARATION OF SUPPORT FOR PHRE

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WATHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDHO
REPRESENTATIVE BERTHA KAWAKAMI
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KAWAI COUNTY COUNCIL

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Signature Printed Name Address Toping Townsus C. 16 18 15 76 747

CURITTEN COMMENTS ON BACK)

( over)

IN A DISABLE VET. SAFFING FROM AGENT CRANGE
FROM VIETNAMI.

EX96

March 24, 1992

# Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature Ren. Re Mininga

Printed Name Person & 10 Indiana form.

Address Person 2511 I done I have by

City/Zip City/Zip

EX96 (cont.)

To whom it may conclu

Im a friefrighter at the Barking Sando frie department on the Pacific missile Range facility I'm proud to work you and at PMRF KHUHT So, id burdens and saddens me that these bunch of Reople are trying to stop the SDIO Knograms. By withdrawing this SDO programs in wishesto our Capababilities for Survalence and training. Therefore, we could be at risk of our accupations thus, there people don't reading about all the people who work here and their families who depend on Price in their directioneds. So, this is why I'll Stand bohind on Company and the SDIO Programs to go whend and botime with the programs. Who I Kawais Economy would be devoted by the loss of PMRF. For This pleason it say people who oppose the SDIO programs are not Concerned with our rations Welfare about defense.

Romi R.K. Murayamar

EX97

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature

Printed Name NOVOL + GA

Address 20 60 133

City/Zip 10 1766 4 1760

EX97 (cont.)

3/24/92

TO WHOM IT may CONCERN:

I WIGH TO SHOW SUPPORT FOR

THO SDIO. PROGRAM AND THO FACIFIC

MISSILEU RONGO FACILITY.

My Job, Family of Fellow workers thank on employment to survive.

We feel missile Launches are safe, as records will show.

PACIFIC MISSILE RANGE FOR THE PAST BEEN PART OF MY LIFE FOR THE PAST 13 YEARS AND HOPE TO KEEP IT FOR THE PAST OF MY LIFE.

Mahalo Lala of Chila Nouson / CHIBA March 24, 1992

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Signature Levely K. Color

Printed Name Wester K. Two.

Address P.O.Bex 984

City/Zip Keraua Ll. 94:152

EX98 (cont.)

24 MARCH 1992

To Whom it Couraci

The FOR PM.R.F. AND THE STARS PROGRAM FOR THEY SUPPORT MY FAMILY. IT WOULD BE VERY LARD TO PAISE FAMILIES WITH.

I HAVE BEEN AT P.M.R.F. FOR ILY YES.

AND I'D LIKE TO KEEP P.H.R.F. HERE FOREVER.

CUR CHILDREN CAN GO TO COLLEGE GET AN

COUCATION AND RETURN TO KAUDI AND HAVE

JOBS AUDICIDENT FOR THEM AT P.H.R.F.

THANK FOU. Weeley K. Clado EX99

March 24, 1992

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Signature	_/		25			
Printed N	ame		<u> </u>			
Address_	11	17.75				
City/Zin	1.	1.		,	7	-

EX99 (cont.)

Concerning the SDIO programs on Kana;

I am an employee at PMRF and I don't see why all the people don't like this base. The missiles aren't ment to hart anyone. These missiles are for our future & children's future. Don't let these feeple who think they know eyerthing about this situation studye the program. The Government should do what is right and keep this base open to better our national sercurity!

That's

EX10

March 24, 1992

Dear Sirs:

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Signature Richard J. Maris

Printed Name Richard J., Morns

Address 63 ST Kipapa RJ.

City/Zip Kapaa, Hi 96746

To whom it may concern,

I believe The issue here is not The Store but gomeones idea to get The military out of the area, and bring up The issue of a national Pork" at kekee and The surrounding areas, more Than 1/3 of the island, which includes Polihele, and the site OMRF sits on, IT was Tried once before in congress, but The military was present and the people did not want a national Park, so it died in congress. Now they are Trying again, only This Time They want the military out first. Remember Keleno light house, we could go anything to vist The area, Now you have to pay afee, a national Jork will purt The people, Hunting, Congress, Housian Homes, ctc.) No one will win in this case the out come is opious.

Richard & Mouri

EX10

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature Jul July

Printed Name JAMES D YELEGRING

Address BCX 1104

City/Zip LAUAI HI 96765

1-10

#### EX101 (cont.)

To whom it may concern.

I Am a member of the PMRF fire Dept. and a strong supporter of all operations that 90 on at PMRF. It saddens me to Hear people not supporting the united states of America for the price of Freedom. Please support us in our efforts to maintain our Jobs, pride and freedom.

Jun Phin

EX102

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature And American Printed Name RAWDY R. CHINEN

Address P. 0 BJX //3 3

City/Zip KEKAHA, H.J. 96752

+ Note: I've read the Draft EIS and concur that these. I anches are 100% safe

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Printed Name

Address

City/Zip 1/2/1/2 2/2/4

EX103 (cont.)

3/24/9:

13 whom it may concern

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Am Life

March 25, 1992

To the STARS Program Manager.

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature: Survece Guowoo

Print Name: LAWRENCE MIROWSKY

EX104 (cont.)

I have PRIOR TO MOVING TO HANGIT I haved in the shadow of Co 39An of B at the Kennedy Spece Color on Mervitt Is. F

Some distance for

1 Fm the I has

Mucch Concorn has been expressed by many people here regarding the environments impact on the ecology of Kanaul Wildlife

- Sinctury which encompasses in ones flat
  Sinctury which encompasses in ones flat
  Sinctury the area of Kausi Gigle e.
- The Audosbon Sicialy contacts annual
  surveys of various species Birds Allesson
- Vicities Conting to a delevent Bed to Visitors VICNot only Closed off shore
  But Playlands Beach
  Closed for weeks not hours

Tech. is necessary to provide the Vehicle of non-toring changes in atmospheric Condition caused by Contains a Agencies not Controllable by

First of all, you lyin', wassley, little sous- bucket bastards- let me say how typically callous and disrespectful it is of you to make us to stand down here at your crotch level, symbolically ready to kies your ass.

(To audience) I hold in my hand the biggest pack of lies yet from the most notorious liars on the face of the planet- the U S army. Who would believe that these ass holes could come up with a bigger piece of deceitful garbage than their last pack of liesthe environmental assessment

But why not. They're not here to really listen to us. They're here because they're legally required to sit here while we talk ourselves blue in the face to no avail.

But even though I'm no farmer, I know bullshit when I see it.

(To army) Please you murdering pack of money-crazed jackalsplease send me ten more copies of your pack of lies- I need more toilet paper.

I'm furious. I'm more than furious- I'm seething with venom for you Mangues, for you Millerin and for your mouthpiece, that dishonorable blowhard, Senator Inouye.

I'm not gonna stand here and thank you for the opportunity to let you ignore me. I can't believe the parade of brave and intelligent people who've come up here and read the words that they wrote in anger with meek, submissive voices. Now is our turn to show our outrage.

. In their name, here. (start tearing, wiping and throwing pages) Here's what I think of your god damn EIS. Take it back and shove it up your collective asses.

EX106

1

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Print Name: FILLARD RIVERY

Exiô7  March 24, 1992	March 25, 1992
Dear Sirs:	To the STARS Program Manager,
I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.	I support the STARS Program at PMRF.  You have a Green Range sir, let's pick up the count.
Signature Printed Name Address City/Zip	Signature:

#### DECLARATION OF BUPPORT FOR PMRF

TO: SENATOR DANIEL K. INDUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE HEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials;

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc, etc, would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and and make decisions wisely.

Signature Printed Name

Address

Yours Truly;

(WRITTEN COMMENTS ON BACK)

EX110

1

JoAnn A. Yukimura Mayor

Gwen 5, Hamabata
Administrative Assistant



4396 Rice Street, State 101 Libue, Hawaii 96765

(808) 245-3385 FAN: (808) 246-4620

OFFICE OF THE MAYOR

TESTIMONY OF MAYOR JOANN YUKIMURA
ON THE STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
KAUAI WAR MEMORIAL CONVENTION HALL
March 24, 1992

Lt. Col. Manguso, Mr. Gallien, Mr. Michelson, Good People of Kauai and Niihau --

Alohai

As I look out at all of the people who are here today, I am once again reminded of what an extraordinary community we have here on Kauai.

Yes, all of us here tonight, no matter what our position on STARS may be, are part of a tradition on Kauai. A tradition of caring about our island. Caring enough to come out and speak up, to listen, to be part of the discussion and dialogue. And I want to thank each of you for coming out tonight.

It's not easy. Sometimes it gets tense. Sometimes it is difficult to listen to someone who disagrees with us.

Sometimes it's hard to speak up, to say what we feel. Other times it's hard to calm down and not get carried away in our passion.

But we keep stepping forward, because we care for our community, our jobs, our economy, our culture, and our island's environment: we care about each other.

#### EX110 (cont.)

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTINONY BY MAYOR JOANN YUKIMURA March 24, 1992 Page 2

And because we care about each other, we learn to listen, even when it's hard to do. Whatever your position on STARS, I know we all -- each one of us wants our children to grow up in a world at peace. World Peace does begin with me, with you, with us. We create the beginning of a peaceful world by how we relate to each other here and now tonight!

Before I make specific comments on the Draft Environmental Impact Statement (DEIS), I wish to make several acknowledgements.

First, to Senator Daniel K. Inouye, for his pivotal role in ensuring that this EIS process would occur.

second, to It. Col. Manguso, Mr. Gallien and the other members of the project for the professional way in which they have gone about their jobs. I believe these gentlemen have sincerely attempted to get as broad an input as possible.

Third, to Captain Mullins for his honest and exemplary leadership. I have appreciated how Captain Mullins and his staff have been straightforward with the community and avoided any sensationalism. I am very impressed with his commitment to the community. Rauai is lucky to have such a fine leader at PMRF.

Before I begin my specific comments, I wish to reaffirm publicly my commitment to PMRF and the men and women employed at the base. I have always said that the PMRF is an asset to Kauai. It is the high tech center of our community -- the place to which our highly trained young people return to seek jobs after they

#### EX110 (cont.)

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTIMONY BY MAYOR JOANN YUKIMURA March 24, 1992 Page 3

get their degrees. As the Draft EIS indicates, the average salary is higher at PMRF than with the County or the State. It is a world class training and testing facility having a match no where else in the world with its 1,000 square miles of electronically monitored ocean floor. It is the only place in the Pacific where you can have underwater, surface and air operations/monitoring. It is a very important employment center and industry for Kauai, especially the Westside. And it has been a source of volunteer and community assistance that enhances life on Kauai.

Let us be clear of the County of Kauai's and my commitment to PMRF.

Let us know that this hearing is about a <u>project</u> at FMRF, that this hearing gives us the opportunity to analyze the STARS project, and that this project of the U.S. Army needs to be independently scrutinized for its potential impacts on our community.

I would hope that we can all recognize this, so that anyone who questions the project is not automatically labeled as being against PMRF. If the STARS project is a good one, it will withstand scrutiny. This scrutiny is important for our environment, for our economy and for Kauai's future.

EX110 (cont.)

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTIMONY BY MAYOR JOANN YUKIMURA March 24, 1992

Page 4

Let me now begin with my comments. My concerns fall into basically four areas:

#### STARS Benefits Ouestionable

First, an EIS covers not only the potential negative impacts, but also the benefits. Thus, the first question we all need to address is what is the benefit of the STARS program to our nation.

In recent months, the longstanding doubts of the STARS program have come to a crescendo, summarized in recent articles in Newsweek (3/23/92), The New York Times (2/22/92) and Washington Post (3/11/92) which are attached to my testimony. From the original SDI concept of a perfect shield to the more recent evolution of ground-based missiles, the actual feasibility of the objectives of the STARS program is under serious question. I call your attention to other attached articles in which experts are challenging the alleged effectiveness of even the Patriot missile. Especially in this time of national recession and savings and loan bailouts, the American public is less and less willing to spend hundreds of billions of dollars on a "pipe dream." In my mind, the benefits of the STARS program have not yet been shown.

#### Ozone Depletion

As for the negative impacts, while solid rockets are responsible for only a tiny portion of total ozone depletion worldwide, they are among the largest single source of ozone-

EX110 (cont.)

1

2

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTIMONY BY MAYOR JOANN YUKIMURA March 24, 1992 Page 5

4

depleting substances. Given the particular problems of the ozone layer above Hawaii which we hear has been thinning out more rapidly than expected, and the importance of our sun-oriented visitor industry, I believe particular weight must be given to the issue of ozone depletion. As pointed out in testimony of Sierra Research, the DEIS has very little quantitative baseline data on existing air quality conditions. It also fails to properly evaluate impacts to the ozone layer over Hawaii. The quality of Hawaii's environment — specifically, air quality and ozone protection — is so important to the visitor industry and economy of Kauai and Hawaii that it can not be compromised.

#### Public Access to Beaches

One of the key components of life on Kauai and visitor satisfaction is the enjoyment of the shoreline and beaches. I am deeply concerned about the issue of access to a very popular coastline. According to the DEIS, one portion of the "Major's Bay to Polihale coastline" will be closed to the public for about two months out of the year. In addition larger areas will be closed for actual launches. Although each launch will take three hours to clear the area according to the DEIS, there could be more than one rehearsal per launch -- i.e., "false alarms," so to speak, which occur when the procedure does not result in a successful launch -- or when delays occur and lengthen closure time of the area. Furthermore, we know there will already be greater than four launches cumulatively. And STARS could just be

EX110 (cont.)

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTIMONY BY MAYOR JOANN YUKIMURA March 24, 1992 Page 6

5

the beginning of more. Added to the times when regular PMRF testing and training require closure, the STARS program could gradually whittle away the public's right of access to the beach and ocean. Given the growing number of residents and visitors this is a very precious part of our lifestyle, especially the Westside lifestyle, that must remain intact.

#### Transportation of Hazardous Fuels on Public Roads

one of the key issues to me as Mayor, is the issue of public health and safety. I had thought that all transport of hazardous fuels would be by air and sea, not by public roads. However, the DEIS indicates that if sea conditions are poor, the alternative plan is to move the hazardous materials by public highway from Port Allen to the base. This is not acceptable to the County as the dangers are not worth the risk. I wish to note also that while Fire and Civil Defense, the two County agencies dealing with hazardous materials, have been consulted in the process, they have not been included in any of the transportation procedures or emergency planning, and this concerns me greatly.

Lastly, as Mayor of this County, my concern is for the spirit and identity of the islands of Kauai and Niihau. As we perceive ourselves, so we are, so we continue to grow and become. There is this special place of ours -- Kauai and Niihau -- where there is a special bond of a people to a land. It is a positive image. As a part of our own identity, and as an economic factor

EX110 (cont.)

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTIMONY BY MAYOR JOANN YUKIMURA March 24, 1992

Page 7

in our visitor industry, the image of Kauai as a STARS launching site is not a positive one. For example, Point Mugu is known primarily as a missile launching site. We cannot, as a visitor destination, afford to have Kauai be known as a STARS missile launching site.

We see ourselves, and we constantly strive to be, a place of peace and aloha. To be known as the site of the STARS missile launching is contradictory. It is incompatible with the gentleness and beauty of our land -- the sparkling ocean, the sweeping landscapes of came and open spaces and mountains. Especially if there is a bad accident, aside from the safety of our community, imagine what the image and reputation of Kauai will be. Imagine what impacts it would have on our visitor industry. It is important -- for us -- and our economic health, to have Kauai continue to be known for its specialness. An island of unspoiled scenic wonder, an island with that special quality of life.

In summary, the actual benefits of the STARS program have not been shown. Indeed, there are very serious doubts about the viability and value of the program to the defense of America. Instead of funding speculative ventures, let's give more money to the training and development of our armed services, which would hopefully give PMRF more work and income. And let us work on strengthening nuclear nonproliferation agreements and limiting missile technology transfers and arms sales -- real'improvements

STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT TESTIMONY BY MAYOR JOANN YUKIMURA March 24, 1992

Page 8

in international security.

And let us not compromise the environment, visitor industry, the economy, or the lifestyle of the people of Kauai.

EX110 (cont.)

# A Safety Net **Full of Holes**

After nine years and \$30 billion, new charges brand the Star Wars defense effort a fraud

t seemed like a good idea at the time. Wars will never provide In a speech on March 23, 1983, Pres-an impenetrable umbrella ident Ronald Reagan described his vision of "intercept[ing] and destroy-(ing|strategic ballistic missiles before they reached our own soil ... an effort which holds the promise of changing the course of human history." Nicknamed "Star Wars." the defense shield would replace the terror of mutually assured de-struction (MAD) with the promise of demolishing any missiles coming America's way. From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now. \$30 billion later, there's evidence that the Strategic Defense Initiative Office (SDIO), as the Star Wars command is known, saw the flaws all along—and knowingly masked the program's failures and overstated its progress just to keep the money rolling in.

Engineer Aldric Saucier, who was fired from the SDI program last month, described in an op-ed piece in The New York Times last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement and waste, abuse of power and the substitution of political science for the scientific method." He said SDI officials took money allocated by Congress for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the dollars gushing in. In an interview with NEWS-WEEK, Saucier detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates of between \$222 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems, Saucier, chief scientist for Advanced Technology and Architectures for the army's Strategic Defense Command, concludes that Star

against nuclear missiles. icize Saucier's work and even question his sanity. SDIO will not comment on his ellegations, however, until the U.S. Office of Special Counsel, which invescharges, finishes its inquiry into Saucier's firing. As far as SDI goes, however, Col. Simon P. Worden, the program's deputy for technology, calls it "one of the best-managed" advanced technology programs in all of government.

Rattin stations: Doubta about SDI are not exactly new, however. From the beginning, Defense Department advisers such as

physiciat Richard Garwin of IBM have pointed out that a perfect nuclear shield either defied the laws of physics or relied on weapons that could be easily neutralized by stations in space would be easily shot down. Missile killers designed to pop up into space when an enemy launches ICBMs couldn't get aloft high enough and fast enough to intercept the missile before it spewed out multiple warheads. Claims for SDI, says physicist Theodore Poetol of MIT, have proven to be false and made without technical or scientific merit." Exotic new lasers, neutral- and charged particle beams and electromagnetic rail guns, he says, ail failed to live up to their billing.

This isn't news to some of the hot young physicials hired to build a nuclear shield. Elligtt Kennel, a former air force nuclear engineer who worked on SDI in the mid-1980s, describes how, "by 1987, many of us



#### Ground-Based

This \$1 billion freeelectron laser shoots at a mirror. which reflects death beams at missiles, Stalled: SDIO prefers Pebbles.

> The target: Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop

cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an 'impenetrable shield' and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI lowered stassghtain 1987 to discourage, not block, a massive Soviet missile ettack. Taxpayers may not

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that would swarm toward incoming mis

siles and destroy them by impact. In 1991.

SDIO conceded that Pebbles could protect

America only against limited (up to 200

warheads) ballistic-missile attacks from

anywhere (read: crazed Saddam-type dicta-

tors). Changing goals as it went along was

central to what Saucier calls the main point

of SDI: "to keep the research-and-develop-

ment money flowing." That required se- to destroy it. Large antiballistic missiles

More than \$1 billio

X-ray and chemica

lasers. X-ray hasn't

worked; chemical

lacks the power to

kill miasites.

spent so far for

EX110 (cont.)

creey. "If you keep all the technical data under the technical data under wraps," says Kennel. "it's easy to keep it funded:" Bush nominated TRW executive Daniel In fact. SDI has scored a few successes. In a 1990 the STI

The perceived success of ground-based defense in the gulf war ratcheted up the SDI budget. Says a congressional aide who has followed SDI for seven years: "The TV images of the Patriot were worth \$1 billion to SDI." That's how much additional funding Congress voted for SDI last year, after three years of flat or declining appropriations. Yet a study by MIT's Postol questions the Patriot's performance. Writing this year in the journal International Security, he argues that the Iraqi Scuds fell apart, as they homed in on their target, with no help from the Patriots. When Patriots that sped toward the fragmenting Scuda fired their warheads, the fireballs that resulted were mistaken for hits. His analysis of videotapes shows that Scuds flew by untouched. The army contends that Patriots were 80 percent successful in Saudi Arabia and 50 percent successful in Israel.

Since Saucier went public, says attorney Jeff Ruch of the Government Accountability Project, "people have been coming out of the [SDI] woodwork" with similar charges. Three congressional committees are launching inquiries into the allegations Saucier has been reinstated in his job at SDIO pending review of his charges. Still, no one believes that a whistle-blower can bring down Star Wars. President Bush has requested \$5.4 billion for SDI next fisal year, compared with \$4.1 billion in 1991-92. Yet SDI competes for scarce dollars with other defense programs. In an era of shrinking budgets, says a congressional aide, "the people who are going to kill SDI are in the Pentagon."

SHARON BEGLEY with DANIEL GLICE IN WORNINGTON



missile killers. Infrared warning satellites

spied every Soud that I rau launched during

the Persian Gulf War. Those satellites,

teamed with 100 ground-based intercep-

tors located in Grand Forks, N.D., argues

IBM's Garwin, "would be simpler and more

effective than ... space-based intercep-

tors." In part, that's because the Peb-

bles must hit a missile dead-on in order

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Blowing the whistle: Physicist Saucier

A Guillotine for Lawyers?

The Feds punish a firm for keeping secrets

awyers, watch thy necks.
The French Revolution,
say the alarmists, has
come to American legal

Last week a prominent Manhattan law firm agreed to pay a galling \$41 million to settle a federal auit erising from its definition of the control of the cont

or guillotined for representing Louis XVI before the revolutionary assembly. Kaye Scholer admitted no wrongdoing as

Raye Scholer admitted no wrongdoing as part of the settlement. The firm insists it is the victim of a crusade by an overly aggressive federal government caught up in the political frenzy of the savings and loan scandal. The partners were particularly upset that the government took the dracomian step of freezing its assets in order to extort a settlement. Freezing assets pending trial is a tactic typically reserved for drug dealers and other lower lowlifes presumed likely to hoo the next flight to fice.

sumed likely to hop the next flight to Rio. "They bludgeoned us into a settlement," says a source close to Kaye Scholer, citing the firm a inability to get credit and mounting bad publicity. Freeing our assets makes us look like John Gotti. "Yet skeptics in the legal community wonder why the 400-lawyer firm, whose profits per parter in 1990 reportedly were \$660,000, caved within days of the \$275 million suit being filed." If they had full confidence they could beat the rap," says Prof. Charles Wolfram of Cornell law school, "they wouldn't have sextled."

Besides sending tremors through bluechip law firms around the country, the Kaye Scholer episode once again raised that trickiest of ethical quandaries facing a lawyer in an adversarial system—how to draw the line between zealous representation and active deceit, when to conceal the client's confidences and when to squeat. The rule in most American jurisdictions is



Caught between the government and a client: Fishbein

that the lawyer may disclose a confidence only to prevent an imminent, violent crime or to prevent perjury. Within the peculiar prescriptions of legal ethics, one classic case is easy; your client admits killing her husband. You can't put her on the witness stand to deny the crime; that, after all, would be a lie. But neither can you go to the D.A. and reveal the confession; that would be a breach of your obligations to the client.

Graft these Now take the classic case that is more disconcerting. Your client is sued after a car accident. On the stand, he's asked by the prosecutor if he was wearing his glasses at the time of the crash. Yes, he says he had his sunglasses on. End of that line of questioning. Trouble is, you know those sunglasses weren't prescription and that your client was thus blind. Should you speak up? If you did, you could be disbarred.

Is there a difference between that example and Kaye Scholer's alleged wrongful conceating of information? Perhaps, since the government argues that the firm's failure to disclose information made it a direct participant in bilking taxpayers out of milions. Moreover, the government seems to suggest that practicing before regulators carriers special strictures of candor. If that's true, it presents an impossible choice to lawyers with slippery, unpopular clientablow the whistle on them or remain ignorant of things they might have to reveal inter. Otherwise, it's off to the tumbrels.

DAVIDA KAPLAN 20 BOR COHN IN WASHIAM

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New York Times Feb. 22, 1992

### It's Lunacy to Keep 'Star Wars' Alive

By Flora Lewis

WASSINGTON he U.S. and Saviet Union are heading to-ward arms reduction agreements that will cus nuclear missile arsenals dramatically. That makes it all the more preparerous to go sheed with the "Star Wars" program. The plan to establish a joint early warning center to detect builtstie missile firings from aimost any point on the globe offers an effective and symbolic measure of the new Russian-American relations.
Other countries will be invited to

siles. But it will be a good start the showing that major countries are prepared to act together against the techniques of aggression and black-

Flora Lawle is Senior Columnist of The New York Times.

"It's easier [for bureaucrats]to find a new arguement than to find a new job. If Mr. Bush can't get the "Star Wars" out of his eyes-and he obviously doesn't want to --Congress must bring him down to earth.'

vices that may or may not work but would surely promote the technologi-cal arms race the world wants to end. Early claims that the original Reagan ides provided perfect presection and that the space-based X-ray laser would make it work were abendoned as sheer fanlasy long ago. When the U.S. realized the X-ray leser and an impenetrable shield were delusions, it switched its focus to "Brilliant Fabbles," a vast number of space-based non-nuclear interceptors that might stop some missiles. It is continuing on that course: President Bush asked for more than \$5 billion for it in the new defense budget — un increase over last year's \$4.3 billion appropriation.

iasi year's N.2 billion appropriation.
The official argument for it is called Global Protection Against Limited Birthus, meaning accidental launches or smell-ocale attacks by rogue states such as Libye or Ireq, it shueds iggical until yes took at alter-natives and detaits.

Apoter way to insure against acci-densal or unsutherized launches (which have never happened) is to help the Ressiant improve their con-trel systems, as the U.S. is doing in pilering to help unangent their mis-ties for domanting and keep their scientists employed so they won't be tempted by neferious foreign offers.

Destroying third world interconti-nental missiles, if it should ever be-come necessary, can easily be done on the ground. Testing and production can't be hidden, and there should no longer be a problem of getting a Mosnew-Weshington agreement to get rid of them by non-nuclear bombing long before such a threat could become

The more realistic threat is medium-range missiles, which were benned by a Soviet-American ireally applying only to both superpowers. It should be extended to all countries. potential violators susceptible to in-

rmational publishment.
The Russians know all this. Why

" It is mindless to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end. "

then are they asking to Join the "Star Wars" program, which Ronald Rea-gan promised they could do and Pres-ident Bush has refused to permit? The answer, according to Yuri Voron-ison, who is expected to become the new Russian Foreign Minmitt. is simply that if the U.S. insists on What he calls its "beloved baby" Moscow

he cails its "beloved baby" Moscow fears being left out.
Although, geographically Russia would be far mere vulnerable is a third world missile threat than the U.S., Mr. Voronisov says Russia would cancel the whole "Size Wars" idea if Washington agreed, he says Moscow harm't pushed is this direction because it is convinced Mr. Sush won't area in his "belowd babu."

won't give up his "beloved baby."
There is more convergence here than meets the eye. Bureaucraia don't want to give up their programs and their budgets. It's easier to find a new argument than a new job. If Mr. Bush can't get the "Star Wers" out of his eyes — and he obviously doesn't want to — Congress must bring him down to earth.

### 'Star Wars' Plan Invites Problems, GAO Warns

By George Lardner Jr.

The Strategic Defense Initiative faces still more delays, escalating costs and performance problems in the next few years if it fails to overeral Accounting Office warned yes-

In a report to House Government Operations Committee Chairman John Conyers Jr. (D-Mich.), GAO investigators said the dangers are raised by the Defense Depart-ment's plans to proceed with a system that uses ground- and spacedbased interceptors.

"The Star Wars program is floundaring." Conyen charged. They haven't a clue where they are going or how to get there. They are mired in confusion and drowning in uscious, redundant studies.

"Such a system will push the cutring edge of technology," the report said, stressing the risks of making the space-based interceptors, known as "Brilliant Pabbles," an effective component, "SDIO (the Strategic Decomponent. July the strategic Defense Initiative Organization, must rely on some technologues that are as yet unproven and learn how to integrate them into a reliable system.

Designing, developing and de-ploying a system with these uncer-" GAO said, "ancreases the risk that the system will not provide the level of protection SDIO cur-

Convers summed up the report in blunter terms. The Star Wars program is floundering," he charged. They haven't a clue where they are going or how to get there. They are mired in confusion and drowning in useless, redundant studies."
5DIO officials have changed their

approach to the program, popularly known as "Star Wars," several

times since President Ronald Reagan launched it in 1983. "consumine illions of dollars along the way, the report noted.
It originally was intended to defend

the United States against a massive Soviet attack, but President Bush in January 1991 prescribed a more modest goal of defending against kmited strikes. Last December, Congress enacted the Missie Defense Act, calling for deployment of a sys-tem that would protect the United and ellies against accidental or unauthorized launches from any country.
The new law emphasized a

ground-based defense by providing for deployment of 100 interceptors at Grand Forks, N.D., by 1996. But it also authorized \$465 million for research and development of Bril-liant Pebbles, a proposed constan-lation of 2,500-pound rockets that would circle Earth, waiting to swoop down on enemy mi

Defense Department officials say Lenense Leparument officials say the entire system, known as GPALS (Global Protection Against Limited Striken), will cost \$48.5 billion through 2005, but Congres-sional Budget Office analysts re-cently put the figure at \$47.5 bif-

\*Dosigning, devoloping and deploying a system with these uncertainties, GAO said. 'increases the risk that the system will not provide the level of projection SDIO currently COMMEN

lion. According to CBO estimates the cost will be close to \$100 billion if expenses for secondary research operations and support for groundhased systems, and needed replace-ments for the Brilliant Publics interceptors are courted.

The GAO report said a major problem stems from the lack of any stable architecture, or definition, at the GPALS system and the relationship among components. If the con-troversial Brilliant Pebbles are in-

"...Confusion and duplication of effort could sheetly be occurring in the crucial area of battle management for the entire system.

tegrated into the system but never deployed, systems design and engineering costs may be wasted. On the other hand, if they are not included in the architecture and are later dremed desirable," the report said, costly redesign and re-engi-neering work will be necessary.

The 1991 law does not say whether Brilliant Pebbles should be integrated into the architecture, but SDIO officials say they are including them. The GAO report recommanded that the Penuson give Congress an analysis of the costs of incorporating them and then not deploying them, as well as the costs of ancluding them and then deciding to use them.
The report said SDIO has added.

to the risks of the design and devel-opment effort by assigning mitegra-tion work to different contractors, "without identifying the exact sub-systems" to be used in GPALS's ground-based segments, thereby increasing the danger of incompat-ibility, GAO said officials at the Army's Strategic Defense Command and the Air Force's Electronic Sysconfusion and duplication of effort could already be occurring in the crucial area of battle management

for entire system.

Defense Department officials told
GAO they did not agree with the report's descriptions of the comreport a descriptions on the com-plexity of the GPALS system and the immaturity of some critical technologies, but GAO said the Pentagon failed to offer "convincing ice" to support its objections

CHAPTER 2 COMMENT LETTERS

#### **COMMENT LETTERS**

This chapter presents copies of the comment letters received during the public comment period. The public comment period ran from February 28 to April 13, 1992. A total of 510 comment letters were received during this period. Included in this section are copies of letters received by Senator Inouye regarding the Strategic Target System Draft EIS (WR329 through WR495). The commentor number appears in the upper left corner and categorized comments are shown in the right margin.

ClibPDF - www.fastio.com

February 16, 1992

Dear Lt. General Hammond,

I am a mother of two young sons who live on Kauai, What can I do to convince you that to continue with the STARS program would be a disaster to our island? Both in safety terms and when you consider how this will affect tourism (our main money maker) as well as polluting the air, land and seas, I can seriously think of better things to do with these missles and better things to do with the time spent on the STARS project. I understand you have the final say on whether this program will become active. Please don't let it happen. I feel that Kauai is an unspoiled paradise and I feel safe here. I would not feel safe if these missles were launched. Yes, I have read the statistics. Please consider my letter and request. Thank you for putting yourself in my shoes

Ruth Ann Lester

6599-A Kuhoho St.

Kapaa, Hawaii

96746

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March 7, 1992

COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS) FOR THE STRATEGIC TARGET SYSTEM (STARS)

The February 1992 DEIS for STARS does address many important issues which were not adequately treated by the original STARS Environmental Assessment (luly 1990) or by the Supplement (luly 1991), but there are still some serious deficiencies. Areas that need more work are possible launch failures, the impacts on air quality, and the cumulative effects of all launch activities at the Pacific Missile Range Facility (PMRF).

4) On page 4-53, it is stated that it is unlikely that any flights would have to be terminated because of "an overall system reliability of "a" percent and a higher andividual component reliability." Presumably most components can be tested separately to determine their rehability. One could then calculate the rehability of the whole system assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be given about the results of previous test launches of Polaris boosters to allow a petter judgment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a successful individual launch is 97%, the probability of 40 successful launches is only 30%.

The scenario described on page 4-53 in which the booster is destroyed because it had pitched back toward the island should be considered in more detail. This scenario is similar to the Aries launch failure at Cape Canaveral on Aug. 20, 1991. Press accounts of the Aries failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS EIS should indicate to scale on a map of the area around PMRF where debris from a similar failure would hit the ground. The Aries failure also calls into question whether a similar STARS failure could be detected and the destruct command issued in 15.1 seconds, as assumed in the DEIS.

2) The discussion of the TRPUF and REEDM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter is still inadequate. No detailed evidence is given to support the preference for the REEDM predictions as the better estimator. It is hard to understand why these two models should give results which differ by factors of 10 to 400 and. incredibly, the comparison of the models was not done for the same wind speed. In Tables 3-1 and 3-2 of the Supplement to the STARS EA. TRPUF results are given for a wind speed of 0.46 m/sec but these results are not included in Tables 4-3 and 4-5 of the DEIS. These results are important because the carbon monoxide concentration is predicted by TRPUF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The REEDM results in the DEIS also do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.252 ppm in Table 4.5 of the DEIS but is 0.027 ppm in Table 3.1

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#### WR2 (cont.)

of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for REEDM. My conclusion is that the information in the DEIS is not sufficient to have confidence that STARS launches will have no significant impact of air quality. The TRPUF and REEDM models need to be compared for the same wind speed and data from previous launches should be used to try to decide which model is the better estimator. Neither of these has been done in the DEIS.

A related area that I feel needs more justification is the fuel vent experiments. These experiments would cause ozone depletion and produce suspected carcinogens and transporting and storing the hydrazine fuel needed for these experiments is very hazardous. For these reasons, it seems to me that the STARS EIS should consider the "no action alternative" for these experiments specifically

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5) The cumulative impacts of all planned faunch activities at PMRF need to be clarified and considered in more detail. For example, on page 2-25 it is mentioned that, during the ten years of STARS launches, there would also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PMRF for these launches might have to be cleared as many as thirty times per year. The Vandal launches were not mentioned in the original STARS EA or the Supplement and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered; if other major launch programs are contemplated during the ten years of the STARS launches, they should also be included in the assessment of cumulative impacts in the STARS EIS.

Finally, the evaluation of the significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 114B2 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFC's in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol, whose goal is to reduce dramatically the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to help protect the ozone layer, freon release by the STARS launches looks much more significant. In other areas, judgments of significance are more subjective but the DEIS seems to have an equally self-serving view. Increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 58% may be more significant to residents and visitors to Kauai than to the authors of the DEIS. One wonders if the DEIS authors would consider an increase in their income tax rate from 30% to 58% to be significant.

michael Jones

Michael Jones Physics Dept. Univ. of Hawaii 2505 Correa Rd. Honolulu, Hawaii 96822 WR3 · Deputy Commander re: Missle testing as a conserved citizen of Aduai I demand That you keep muster texting off our want. you people have no clea of the colicate balance of the environment here. The impact, and hazards are Too great to overlook. I suggest you test The mosles in your from back yard & see. Low you like it. we lost want any part of your star wars pergram island. monica tillade



NORMAL, ALABAMA 35702

OFFICE OF THE DESCRIPTION J. F. DRAKE MEMORIAL LEARNING RESOURCES CENTER

Pour Contact Box 489 Tour 1982, (205) 851 5764

February 27, 1992

Col. Robert S. Troth Auting Deputy Commander Department of the Army U.S. Army Strategic Defense Command - Huntsville P. O. Box 1500 Huntsville, Alabama 35807-3801

Dear Col. Troth:

This is written to acknowledge the receipt of a copy of <u>Draft Environmental Impact Statement (DETS)</u> for the <u>Strategic Target System</u> program at the Kauai Test Facility (KTF). On behalf of the faculty and staff of the Learning Resources Center, I would like to express our sincere appreciation to you for sending this copy to our Learning Resources Center.

We look ferward to your continued support.

Sincerely,

Birdie O. Weir, Director J. F. Drake Memorial Learning Resources Center

moa

WA:

March 10, 1992

Deputy Communder

W.S. Army Strategic Defense Command

055D - EN-V (D.R. Gallier)

P.O. Occ. 1500

Huntsville, Hubania 25801:3801

Dear Sir:

the establishment of the STARS program here on the island of Ravai I am a resident of this beautiful island and feel that the program is too risky for the people that live here and for the environment.

The environment and choose uniquer Please investigate and choose uniquer.

tathic inackey will the Hoala Holler

147 Royal Drive Kapaa HI 96746 March 16, 1992

Deputy Commander, USA SDC CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville AL 35807-3801

Dear Sir:

I am writing with the strongest plea possible to urge the SDI Program to be removed from my island, Kaua'i. Numerous reasons underlie my concern. One of the strongest relates to efforts currently under way to provide native Hawaiians with at least the same rights as other native Americans. In creating a sovereign Hawaiian nation it is imperative that lands illegally taken from them be returned to their governance. Hawaiian homelands near the Pacific Missile Range Facility may well be incorporated in the Hawaiian nation. You, no doubt, are familiar with steps taken by the Congress at the initiative of Sen. Daniel S. Inouye regarding Hawaiian sovereignty.

Launching a long-term SDI testing program next door to land that could someday mean homes for native Hawaiians may not be a wise investment of Army resources.

Please hear out the people of Kaua'i before they are forced to civil disobedience.

Sincerely,

Ash here here

Robert E. Levine

March 19, 1992

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6335 B Walpoull Rd. Kapa'a, HI 96746

To Whom It May Concern:

As a citizen of Kaua'l and of the world, I want to register my dislike, disapproval and disgust regarding the U.S. Army's testing of it's Strategic Target System at Barking Sands, or anywhere else. In my study of the Army's draft EIS, the main purpose of Reagan's Star Wars program is to seek out and destroy "enemy" Intercontinental Ballistic Missles coming toward us from some mythical bad guys.

Wake up Americans: We are the enemy! We just pulverized hundreds of thousands of people into dust in the Persian Gulf, so that our President and his military/industrial/bureaucratic profiteer friends can continue to get rich at everyone else's expense. They conveniently left Hussein alive, so they can justify their outrageous defense expenditures into the future, like the Star Wars program.

Not content to bring misery, starvation and death to millions of innocent people in other countries, the military now asks our permission to test their death machines over our very heads, on this Island which they stole from the native people in a military taking ninety nine years ago. They want us to agree that their own EIS mitigates all concerns that we may have. Of course it doesn't. It's a self promotion scam put together by the Army's Strategic Defense Command in Huntsville, Alabama. My concern is that the Star Wars program continues to exist, at all.

I urge my fellow citizens to speak loudly against this disastrous course of action, and further, to demand that the Army closes down it's PMRF base, gives the land back to the Native Hawaiian people, and leaves the Hawaiian Islands forever!

Angrily, Fred Dente

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cc: U.S. Army Strategic Defense Command, Huntsville, Alabama

The Kauai Times, Lihue, Hawaii

Responsible Citizens For Responsible Government, Hanalei, Hawaii.

WR8

206 S. Grove #10 Urbana, IL 61801

March 19, 1992

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Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, AL 35807-3801

re: Draft Environmental Impact Statement for

Launch of Strategic Target System vehicles from the Kauai Test Facility at the Pacific Missile Range Facility on the island of Kauai, Hawaii

As an environmental engineer with a background in aerospace, I find the Draft Environmental Impact Statement (DEIS) an interesting study of the effects of a new research program involving the launch of rocket systems.

While I found the document to be generally well thought-through and professionally prepared, there are a few areas with which I would like to take issue. I will attempt to deal with them in the order in which they are presented in the DEIS.

2.1.1 Flight Preparation

"Approximately 45 additional temporary personel will be required for all Strategic Target System operations....

•At no point in the rest of the DEIS are the impacts of these personel on the environment discused.

2.1.1.2 Booster Flight Preparation

First-Stage Booster Reliability

"Case-to-insulation separation has been shown by studies and testing not to affect ballistic performance." •What is the source of this information?

4.3 Air Quality

4.3.1.2 Launch Activities

Aluminum Oxide and Particulate Matter

•In this section, possible problems were suggested, but were quickly discounted by first denigrating the chosen TRPUF model as only a "screening" tool, and then stating "Aluminum oxide is considered an inert, nuisance particulate with no significant toxic effects to humans."

If this is true, why was it considered at all? And upon what is the "no significant toxic effects" based? What is "significant" entail? As one who has dealt with the failings of using animal models, and one who has seen a great deal of circumstantial evidence that causes me to give aluminum respect, I find it frustrating to have this issue brushed away so casually.

Carbon Dioxide Levels

•Most everyone's contribution to the greenhouse effect are "minute." Yet every minute addition 4 adds up.

Also, the effects of transport of the materials, personel, etc. for the project are never discussed. Increased motorized traffic and aircraft or boat journeys from the mainland contribute to the impact on the environment, especially air quality, as well as the fragile carrying capacity of the island.

WR8 (cont.)

Impacts on Stratospheric Ozone Booster Exhaust Emissions

•The comparisons to the rest of the space program of the U.S. is misleading. Merely because there exists a greater contributor to an environmental impact does not make the smaller impact insignificant. Especially in the case of the issue of ozone loss, where the effects are not well known, and the consequences could be tremendous.

...it is estimated that the Strategic Target System program could result in an annual global ozone loss in the range of 0.00001 to 0.0001 percent." This quote is striking! One small program, which is being presented as having no impacts, can have a significant contribution to what some consider to be the greatest threat to mankind.

"Plant species appear to be sufficiently adaptable so that food crop yields would be maintained." This is a 6 controversial statement. A great deal of literature has suggested that the crops used now to produce the bulk of the food for the U.S. may be extremely vulnerable to changes in exposure to ultraviolet rays, since the genotypes of the crops are becoming increasingly focused and specialized.

It seems extremely misleading to separate out the effects on ozone between the booster emissions and the freon released. This is even admitted: "The release of Freon... will not, by itself, significantly affect stratospheric ozone levels." [emphasis added] Why then, was it treated separately from the other ozone-depleating chemicals involved with the program.

I am shocked that the addition of "0 to 1 nonmelanoma skin cancer annually to the total United States population" is not found to be "significant". It is outrageous that the rest of the world, which will pay the price for this program as well, are just ignored! Using rough calculations, this program, by the Army's own admission, add 20 skin cancer cases to the world each year! This strikes me as quite significant.

While a case is well made by the DEIS that the impacts of the Strategic Target System are minor relative to other programs, the impacts must be evaluated on this specific case's merits.

Is the refinement of tracking techniques worth the increased, however minor, encroachment of humanity into the environment of Kauai? Will the advancements gained by this program offset the lives of those individuals stricken with cancer? On a political level, is the money to be spent on this program best serving the case of security and peace in these changing times?

To my mind, this program cannot adequately argue the affirmative for any of these questions.

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Matthew M. Ball

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1521 [ Street Secramento, CA 95814 (916) 444-6666 Fax: (916) 444-8373

Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, AL 35807-3801

Subject:

Comments on Draft Environmental Impact Statement for the Strategic Target System

Dear Mr. Gallien:

Enclosed please find our comments on the air quality portions of the Draft Environmental Impact Statement for the Strategic Target System program proposed for the Kauai Test Facility and Pacific Missile Range Facility. The comments indicate a number of areas where we believe the Draft EIS is inadequate.

Please don't hesitate to call if you have any questions or need additional information.

Sincerely,

Gary Rubenstein Senior Partner

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c: w/encl Mayor Joann Yukimura, Kauai County WR9 (cont.)

Comments of
Sierra Research
on the
Draft Environmental Impact Statement
for the
Strategic Target System

March 19, 1992

The following comments address the air quality related portions of the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992.

 The DEIS fails to describe the existing air quality and emissions sources in the vicinity of the PMRF in adequate detail. 1

The discussion of existing air quality in the vicinity of the PMRF is limited to a single paragraph (p. 3-15) which states that "[a]ir quality in the vicinity of PMRF and KTF is generally excellent". This treatment of the environmental setting is inadequate to allow for an analysis as to whether the air quality impacts associated with the STS, in conjunction with existing air quality levels, could result in significant cumulative air quality impacts.

In particular, this discussion of the affected environment should include a summary of particulate data from the Linue monitoring station for at least the last five years, along with a discussion as to how air quality at the PMRF would likely compare with the measured data in Linue. In addition, available data from other monitoring stations (either on Kauai or on neighbor islands) should be summarized to present a general description of existing air quality levels at PMRF. The Hawaii Department of Health should be consulted to determine which monitoring stations would be most likely to represent conditions at PMRF.

The discussion of existing emissions sources at PMRF and KTF is similarly inadequate. This section should be expanded to include an estimate of emissions in recent years associated with the following sources:

- PMRF Diesel-powered generators
- KTF Diesel-powered generators
- · Rocket, drone and target launches from the facilities
- · Burning of came fields
- Vehicle traffic associated with PMRF and KTF material/supply deliveries, employees and visitors

2-8

WR9 (cont.)

These data should be presented on an episodic basis (e.g., per day of activity) and on an annual basis, for comparison with the increased emissions associated with the proposed project.

The DEIS fails to quantify the estimated emissions associated with construction of STS support facilities.

Construction dust emissions were identified as one of the air quality issues during the scoping process (DEIS, p. 1-8). Despite this fact, the DEIS contains no estimate of construction dust emissions, or of the impact that these emissions would have on air quality in the vicinity of the PMRF. The DEIS should contain an estimate of dust emissions, as well as of emissions for criteria pollutants from construction equipment. Any mitigation measures which are a project design feature, such as the water application measure discussed at p. 4-6 of the DEIS, should be described in detail (i.e., frequency of dust suppressant application, type of suppressant used, etc.).

 The DEIS fails to quantify the emissions associated with solvent use, storage and handling.

Although the DEIS indicates that "small quantities" of industrial solvents may be used for cleaning during vehicle assembly (DEIS, p. 4-6), no estimate of emissions associated with the use, storage and handling of these solvents is presented. The DEIS fails to provide adequate information to allow a reviewer to determine whether the quantities involved are, in fact, "small".

 The DEIS fails to discuss the emissions associated with the transport of fuel and vehicle components to the PMRF and KTF.

The DEIS indicates that the main components of the STS vehicle (boosters, payloads, control electronics, navigation system) are tested in the continental United States and shipped to KTF for integration into the flight configuration (DEIS, p. 2-6). However, the DEIS fails to discuss the emissions associated with the transport of these components via aircraft, ship/barge and/or truck to the KTF. Emissions for each potential transport route should be estimated and included in the project emissions totals.

 The DEIS fails to discuss the additional emissions from increased Diesel electric generator operations associated with the STS project.

At several locations in the DEIS, the presence of Diesel electric generators at the PMRF and KTF is mentioned. (See, for example, p.3-15, p.3-47, and p.4-71.) The DEIS indicates that KTF operates two 300 kw Diesel electric generators which switch on automatically at any time KTF demand goes over 120 kw (DEIS, p. 3-47). The DEIS further indicates that STS demand for electricity will exceed this level (DEIS, p. 4-71), thus resulting in increased use of the two 300 kw Diesel generators.

WR9 (cont.)

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However, the DEIS fails to quantify the increase in emissions associated with the increased Diesel generator operations. The DEIS should contain an estimate of increased Diesel generator emissions associated with the STS program. In addition, the DEIS should include a discussion as to whether this increase in operation of the Diesel generators is consistent with the Authorities to Construct issued for the generators by the Hawaii Department of Health.

 The DEIS fails to estimate the increase in emissions due to increased vehicle traffic associated with temporary support personnel.

The DEIS indicates that flight testing and launch activities for the STS program would consist of up to four launches per year over a ten year period (DEIS, p. 4-73). The DEIS further indicates that each launch would require approximately 45 temporary support personnel for a one month period. However, the DEIS fails to estimate the increased emissions due to the increased vehicle traffic associated with these temporary support personnel.

 The DEIS fails to properly estimate the oxides of nitrogen (NOx) emissions associated with launch activities.

The DEIS identified emissions of nitric oxide (NO) as a significant issue raised during the scoping process (DEIS, p. 1-8). However, the treatment of this issue in the DEIS is limited to the conclusory statement that "[c]he Strategic Target System chemical propulsion system is not reported to produce nitrogen oxides emissions" (DEIS, p. 4-18). This statement is not supported by technical references, and is inconsistent with previously published information on this subject.

For example, NASA Technical Memorandum 78753, "Launch Vehicle Effluent Measurements During the May 12, 1977, Titan III Launch at Air Force Eastern Test Range" (G.L. Gregory, et al, January 1979) reported NOx concentrations as high as 1,000  $\mu_{\rm Z}/{\rm m}^3$  within the plume of a Titan III launch vehicle. While these concentrations at elevations of 1000-1500 meters are not representative of ground level concentrations, they clearly indicate the inaccuracy of the conclusion in the DEIS.

In a more recent analysis, the Environmental Assessment for the Testing of Solid Propellant Rocket Motors at Edwards Air Force Base (Department of the Air Force, December 1986) estimated a conservatively high NOx emission rate of 22,000 pounds per 2-minute test burn of either a 2-segment rocket motor or a 54-segment rocket motor. This estimated emission rate was determined based on an analysis of the data from the 1977 Titan launches discussed above. If these emission rates were scaled based on the weights of the test motors, the emissions associated with the complete burn of the STS launch vehicle propellant would be as follows:

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WR9 (cont.)

Titan 2-segment motor: 206,120 lbs propellant

22,000 1bs NOx

106.7 lbs/1000 lbs propellant

Titan 54-segment motor:

465,800 lbs propellant

22,000 lbs NOx

47.2 1bs/1000 lbs propellant

STS motor:

30,451 lbs propellant 1,437 - 3,249 lbs NOx

The initial work performed by the USAF in the 1986 Environmental Assessment suggested that NOx emissions were less a function of the quantity of propellant than of the burn time, the size of the plume, and the degree to which turbulence in the plume entrains oxygen from the ambient air which, at the high temperatures present in the plume, combines with nitrogen in the plume to form NOx, principally in the form of NO. Thus, care should be taken before using the above values to estimate NOx emissions from the STS launches. However, the data clearly indicate that NOx emissions from the launches will not be negligible, and should be quantified in the EIS.

WR10

March 23, 1992

Deputy Commander
U. S. Army Strategic Defense Command
CSSD-ED-V (D.R. Gallien)
P..O. Box 1500
Huntsville, AL 35807

Dear Sir:

I am writing in regard to the E.I.S. for the U.S. Army's proposal to conduct "Star Wars" research at the Pacific Missile Range Facility on Kauai, Hawaiian Islands.

It is my belief that it is totally crazy to by spending even one cent on such stu pidity in this present world environment. Now that the Soviet Union is no more, who are we supposed to be protecting ourselves against anyway? The 1980's and now the 1990's have shown us that we can ill afford to waste funds on such projects when our entire infrastructure is coming apart at the seams.

Perhaps if there are really enemies of the United States, it would not be those from the outside that may wish to destroy us, but all those responsible for such projects as Star Wars and those who support them for whatever reason. To sacrifice our country for such waste IS <u>truly</u> Unamericani

Samuel J. Burris 1875 Kalawianaole Ave. #705 Hilo, HI 96720 WATT

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RMS92-43

24 March 1992

Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, AL 35807-3801

Attn:

Paul J. Mullek, Colonel, U.S. Army

Acting Deputy for Operations

Subject:

DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM PROGRAM

In my capacity as the General Manager for the operating contractor at PMRF, I have reviewed the subject document and I have concluded that the Army has thoroughly analyzed all of the potential hazards associated with the program. The project does not pose any unusual or difficult scenarios outside the normal capability of PMRF.

Our workforce is completely trained to support the PMRF Commanding Officer in his role as the safety review authority for the project. You have identified the transportation and launch issues very well and the safeguards provided are more than adequate. The pre-launch preparation represents a realistic technical approach to ensure a safe launch.

PMRF, with its present capabilities and proposed future technical upgrades, is an ideal national range to conduct projects such as STARS. The DoD requirement to accomplish more testing and training with less resources mandates combining research, development test and evaluation with training capability on ranges like PMRF. This range has excellent growth potential for special strategic projects due to its geographic location, unrestricted sea and airspace, tracking equipment and experienced workforce.

We believe that national ranges must be flexible enough to shift technical assets and capability commensurate with rapidly changing national priorities in order to provide cost-effective testing and training resources. I feel that the STARS program complements the mission of PMRF and enhances its position for the future.

Rome El M. Stricket. Ronald M. Shields General Manager

/kc

WR12

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#### Written Comment Sheet

### Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS is a good report but it is imcomplete. It does not address, in particular, The benefits, if any, to The island of Kanai if The STARS program is approved. respectfully submit that Kanai's interests do not feature at all in the overall plan from the Military. We on this bland are merely a geographically convenient launching pad for The fixing of missiles - The potential for accidents is scary. In today's world we must neek other ways of achieving global peace. Rolifereding the was machineng is an antiquated way of promoting Peace.

Not the least of my concerns is the plight of the Marshallese now hving in Tiny Edeye island, having been lorded from Their homeland on Kwajalein. Missiles what Name from Kanai will be aimed toward Kwajalein, further Address Maria C. Snyder M.D. Street Address RO, Box 58, Kapaa

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

WR13

3/26/92

Dear LTC. leangues & Hr. R. Gallien;

H has been for me a privilege, moral duty,
and especially are honor to have supported the

STARS program this far. I look boward to our

livet launce!!

Candace agustin. 4400 Pio Ot. Libue, Hi, 96746 WR14

March 23, 1992

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative enegry sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,

()

()

E. Woodyard, Ph.D.

Suite 3039-129 Kaumualii Hwy
Lihue, HI 96766

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

- Publication the Strategic Targer System.
- share you be proporting this or man
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firm wither with the last and trytherwise
Name of the state
Name Hearte U. Merriman
Address 100 PSCX 1364 Hanales to Gint
City/State/Zip Code
Flease hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

WRIE

1

Attn: Mr. D.R. Gallien (CSSD-EN-V), Deputy Commander 27 March 1992 US Army Strategic Defense Command P.D. Box 1300 Huntsville, Alabama 35807-3801

Subject: Testimony on the DEIS for the Strategic Target System, US Army, February 1992

My name is Don Heacock, I'm a professional fisheries biologist and scientist. Although I am in favor of having a well trained military to defend our fine country against national emergencies and foreign attack, I am totally against nuclear warfare and against the proposed STARS and EDX testing by the Dept. of Defense (DoD) at PMRF, Barking Sands, for the reasons listed below.

Our National Budget cannot afford the SDI programi SDI is an offensive, not a defensive system, that was conceived out of oldtime Anti-Communist fundamentalism. SDI makes no sense today, economically or socially, since the Cold War is over, the nuclear Arms Race is over (except for SDI), and Harxism and Communism have succumbed to the American way — Capitalism. Furthermore, SDI "protects" only against ICBM's, not against nuclear meapons carried by airplanes, submarines, trucks or suitcases.

For many decades the nuclear arms race and SDI have been the \$100+ billion doilar brain drain on the United States of America, where these programs have re-routed untold 1,000's of the brightest minds in America away from more important fields of study, such as improving our educational system, and making socially and intellectually meaningful advances in science, medicine, and technology.

The STARS and EDX testing are having a negative impact on the social, cultural, and environmental resources of the native peoples of the Marshallese Island of Kwajalein, and of native Hawaiians who have similar concerns on Kauai, particularly regarding the Sacred Nobili Dunes area of Barking Sands.

Both the EA and EIS for the STARS and EDX programs inadequately address the potential negative environmental impacts these programs may have on nearshore marine ecosystems, particularly endangered and threatened species, which occurraceum Kauai, Niihau, and around Kwalalein atoli.

Finally, the average man, woman, and child "gives" about \$1,200 per year in tax dollars to supporting the SDI program, a program which was ill-conceived and is now obsolete. PMRF was on Kauai before the SDI, STARS, and EDX programs were conceived, and PMRF will be here after these obsolete programs are abandoned. The only way the public can stop these wasteful testing programs on Kauai is to immediately WRITE AND PHONE THEIR CONGRESSIONAL DELEGATES, particularly Senator Daniel Inouye who chairs the Defense Appropriations Committee, his phone number is (202) 224-3934.

Sincerely, Haccook Donald E. Heacock P.O. Box 1323 Lihue, Kaual 96766

cc. Senator Daniel K. Inouye

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	Written Comment Sheet	
	Strategic Target System	
Draft	Environmental Impact Statement	
	Parameters	
Thank you for attenditions on the Drait	ng this public hearing. Please use this sheet to provide us your written ft Environmental Impact Statement for the Strategic Target System.	,,
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Name		
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Address	City/State/Zip Code	
	ease hand this form in or mail by April 13, 1992 to:	
}	Deputy Commander	
	U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)	
	P.O. Box 1500	
	Attention: CSSD-EN-V (D.R. Gallien)	

WR18

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please consider all of the Namifications of Stanwars.

We do not want it an Kawaii In fact, I don't want it ary where

Make cony, Not wan D

Not wally will human lives be in days, but the Stanwars

effects of our marine mannels has yet to be determined

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and not be placed in people and arrively

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allowed to be first off of Kawai

No STAR WARS!

Name Charles & Bentley

Address POBOX 140 Dea hilla H1 96703

Flease hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The inject of the STARS" program on a global stale is counterproductive to dangerous.

The inject of the STARS program on a Motional wife and anger our Hoodyling paratime economy by proprienting our military on idea atom Alarts to money should be shifted to a proceeting economy. The imposet of the STARS program on a local level will subject our tourist industry to adverse publicity, which our tourist industry to adverse publicity, which are local population to the threat of an important state part at Blitake of Sinther Airide to inthe access to an important State park at Blitake of Sinther Airide to Import 15 All NEARTHELL.

Name Thisp Freeman.

Address P.O. Box 1120 Kalaho, Htt. 16741

Street Address

City/State/Zap Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WFI20

#### Written Comment Sheet

### Strategic Target System Wach 28,1992 Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

must protest The military's plan to Shoot Polaris missile, from
PMRF to Kwajelein in The Marchall Islands. It is time to honor
treaties and stop this "Arms Pace". The bland of Kanai is too
fragile. Any accident could, and might happen.
Our military has overspent and overained and to many of
us, "STARS" is just another way to waste money that could be spen
helping our citizens. Our national debt is a disgrace to our
sovernment and one way to "step The Hore" is to cut unnecessary
(STARS) spending.

It is also immoral and inhumane to have moved an island
weards from their homes in corders to have a "totract" the

people of the Marshall Islands should be permitted for

Address <u>Po Bx 3438</u>

Princonlle City/State/Zip Code B. 96722

Street Addre

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

CI-

WR21	
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	Masch 28 1992
	Sharm & Doug Banks P.O. 175
	NANALLI, Hi. 967/4
	Dia Mr. Gallin,
	You must rectize by your that  The people of kanar are vicing  About not wanting the Janvoles!
	About not Dwarting the Janvoles!
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	Skarm RX

WR22

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Valdey alacka was once beouteful - now man destroyed it bessey.

Horder un me beautife - non lode at it!

Save some beauty for our children - please we your heart & mind toyed - that is why they

Come on the some package.

Name Mules

Address\_

By 100

LONON KONEN H: 96748
Dity/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR2

To whom it may concern;

In refrence to alternatives eliminated from further consideration (sect 2.3) I would like a worked states recognised international law expert.

Thank you for handling our personal safety, our homes, our lives our children in a mature + responsable way. I try every day to do something nice for the next person. I can swing you the appointing to do the same.

Thank you very much,

1

Jana Livingston
Box 833
Hanalei Kavai
96711

WR24 Name: James L. Dawson Employee of the Base

Thank you for allowing this time to voice my opinion.

My family has been in the islands and PMRF for approximately 27 years, with the exception of a 3 year stint in California. (Of which two of those years were with PMRF.)

- 1. First of all, I would like to commend, the limited few of those in opposition to the STARS launches at PMRF for taking the time to read and try to give some constructive criticism to the EIS process. Were it not for them, our country may be in the chaotic state of other countries around the world.
- 2. I would like to point out that PMRF and the Navy did not just rubber stamp either the initial EA or the EIS. Many long and hard hours have been dedicated to ensure a safe and successful STARS operation. Long before the initial EA was submitted by the Strategic Defense Command, it was made perfectly clear...that the Navy would not accept the program until certain conditions were met. Certainly not the least of which...was the concerns for the public safety and community relations/concerns.
- 3. The Not in my back yard (NIMBY) syndrome seems to be running rampart on other side of the Island, but what about those whos' Front Yard is affected. i.e. the Westside and yes the Kwajalein Atoll (which was addressed via a separate EIS). Some of you may not know it, but the US Navy and PMRF employ some of the most restrictive safety and environmental requirements of Training/Testing ranges around the globe. If there are those of you in the "front yard" that still feel uncomfortable about the possible presence of STARS launches...please address them in your comments to the PEIS.
- 4. I can not speak for the US Navy or Capt. Mullens, but wish to discuss a personal feeling as to the loss of PMRF, if STARS does not come to PMRF.....NO; it more than likely will not immediately close the Base. But, it will have a definite affect on the reimbursable dollars that have been used in the past to make us the Premier training range in the world. As the defense dollars decrease (already a 25% cut next FY in our operating budget....congressionally mandated), PMRF must continue to obtain Test and Evaluation (T&E) dollars to survive without drastic cutbacks. PMRF is not unique in this area, as all defense projects and support areas are presently doing the same thing. Therefore, I would urge the final EIS to relect there may be a significant impact to the SOCIOECONOMICS of Kausi.

RESPECTALLY,

Tomas L. 1 ...

PURE EMPLOYEE

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Strategic Target System  Draft Environmental Impact Statement					
hank you for at mments on the	tending this public hearing Draft Environmental Imp	<ol><li>Please use this shee eact Statement for the</li></ol>	et to provide us your writ Strategic Target System.	ten	
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10ress 706/	AKEKEKE KU.	City/State/Zi	- Cada		

WR25 (cont.)

weather Comment Sheets

Having a degree in science and six years experience directing missife and rocket Jaunches from FMRF. I am confident that this program is sound and the margin of nisk is acceptable. Flease do not let a mayor and a small political action group formed and controlled by her (Mayor Joanne Yukimura) decide the take of this project.

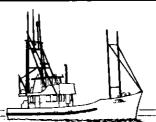
I have only lived on this island for 6 1/2 years, nowever in that short period of time I have made certain observations of kauai that might help you make your final decision to go forward with the STARS program on kauai.

(1) One on), needs to drive around the island one time to see where all or most of the count; firds go into making kausi a better place to live. The mayor has always helped the East shore communities before the West side gets my improvements.

(2) PMPF is the only place educated well trained people can get a job on the West side. From the time many children are in High School till their middle twenties they go into the service to learn skills needed by PMRF or attend private Universities to bring back those skills to this area. These are not a bunch of transplants who come in here for a few years and cause trouble then move back to the mainland.

(3) The few Hawaiian protesters that have a vision of a few recieving a large amount of land is a false vision that the State will never let happen. The land in and around PMPF will be doled out in small house lots many years efter the fact or will be exploited for Resorts. PMRF is the only thing left on the West side that blocks developement.

It shames me that a mayor that I myself voted for has acted so irresponsible and broken her oath of office by only representing a few and not all of the people she governs. Please consider the options and give the people of Kaula: the program for they do deserve it.



THE HOKU-IWA CO. LTD. P O Box 397 Hanalei HI 96714 1808) 826-6710

March 30, 1992

United States Strategic Defense Command Post Office Box 1500 Huntsville, Alabama 35807-3801

Attention: D.R. Gallien

I would like to go on record as being  $\underline{\mathsf{AGAINST}}$  the STARS proposal on Kauai, Hawaii for the following reasons:

- As a Taxpayer, I feel too much of my dollar is being spent on defense and not enough on education, health and the other more important issues in our country today.
- 2. I believe the earth will not benefit from these rockets being fired.....the emmissions, the ozone accumulative effect, the area surrounding the launch site....all of these issues I feel I haven't gotten enough information to make me believe the launchings will have no adverse effect on the environment.
- 3. The area of Nohili is a special place in the Hawaiian culture. I believe the government of the United States must come to terms with their unfair action of 1893 when the lands of the queen of Hawaii were unjustly confiscated.
- 4. The military personal designated by their yellow t-shits as supporters of STARS were very rude during the testimony given in Lihue last week... The intimidation they caused was a subtle infringment of the right to free speech. It showed the ugliness that military

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propagana can evoke.. I think from the information I heard these people's jobs were <u>not</u> threatened....Even if they were many people in the United States are out of work because of the economic situation caused by the current governmental philosophy of overspending... which brings us back to my first reason expressed in this letter — that of overspending in the area of defense.

Thank you for listening to my plea.

God Bless America.

Sincerely,

Kathlen Stward

Kathleen Steward # S.S. 082-36-5069

Box 397

Hanalei, Hi. 96714

WR27

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a resident of Kauai for the past five years, and a visitor to Kauai for seven years prior to moving here, I strongly urge you to reconsider your position regarding

the STARS testing here on Kauai.

I think it is extremely short-sighted to forget the fact that there is only ONE

KAUAI, AND ONCE WE DESTROY OR ALTER THIS ISLAND WE CANNOT GET

IT BACK.

Gentlemen:

Secondly, at this point in history, is the Star Wars Defense System really necessary???

Wouldn't our money be better spent on DISARMING this world rather than further

arming it.

I URGE YOU TO STOP THIS UNNECESSARY RISK TO OUR ISLAND. THIS IS

THE ONE AND ONLY KAUAI WE HAVE --- LET'S NOT BLOW IT.

Sincerely,

Name \_ Alison L. Dunn \_ - ? . . .

dress Post Office Box 706, Hanalei, Hawaii 96714

Street Address

City/State/Zip Code

1

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

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WR28

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that the key spirit of an advant bownit
taken into ansideration, les are a place of licaling
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Stendarfor A believe Not march Consideration
Lias given to Nobili Dunis 4 effect sites fleet
the Rocketts (of there is an according) might impart
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injust on Havenan Hondoteal Lands. of
believe the tasic issithes and clare to economics
4 nota matter of national defense.
- Ann by see for reading my
-Aldito
Name HUARD Shapiro

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

City/State/Zip Code

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

C. Diamone

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Handei, H.

96714

March 28,1992

To Deputy Commonser.

I am writing to express my concerns about the propose, missile laurches from Kauai - Kauai is one of the few pristing places where the beauty of nature abonos, our breathtaking waterfalls, montains, oceans, the cleanliness and purity of our air and water is what attracts people to cu island. This purity, feelings of Peace and alcha is what Kavai is about missiles in Paradise ) How can you seriously want to destroy our tranquil beauty and peace. I don't wish to send mil so missiles to our polynesian cousins and take away their rights to their island home. The ozone layer And its dwindling protectic are major problems facing us today. The chemical the launches will spew into our otmosphere right here on Kavai will further this thinning of the ozone. Here on Kavai the sun is so strong already, we cannot afform to do anything that will knowingly destroy the ozone. PMRF 13 on crown land. This land belong: to ar Hawaiian People and they should have their land returned, not contaminated by toxic & fuel spillage, leakage, or calastrophic lounching .

WR29 (cont.)

Luhat about our neighbors on Nihau?
A catastrophic launch could seriously Jeopradize the health and livelihood of Nijhavans.

The restricted access to Polihale is another issue which is unacceptable to me.

The Whales are another major concern. The draft EIS states that they'll check the area for whales and call off the launch if they 're there. ... Well they are there whether you see them ... or not, They are there. I have seen wholes in record numbers this year. For all life, the wholes, the dolphins, the sea Turtles, all Plant life, extinct, near extinct and plentiful varieties human beings - Please take your missiles away . from Kaugi. WE don't want them.

We can't even get a playground for our children on Kavai, how can you spend so many billions on a defense system that leaves so many open holes cliewhere. Kavai is too small for this kind of missile lounch. Kokee rainforest would be threatened due to upper atmosphere prevailing winds that blow inland. Please protect our environment, one of the last Pristine, truly magical places in the United States. Please say No to missiles on Kavai Sincerely, Carent. Diamont

Paren Lliamond

WR30

2

#### RAYMOND L. CHUAN

P.O. Box 1183 Hanalei, HI 96714 808-826-6814

March 30, 1992

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U.S. Army Strategic Defense Command CSSD-EN-V (D. R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

In reference to the STARS Draft EIS I have the following questions and comments.

1. Has the Memorandum of Agreement with respect to the ground hazard area been executed by the Hawaiian State Board of Land and Natural Resources? If not, when do you expect to have it executed?

Has the Grant of Easement been executed by the State of Hawaii? If not, when do you expect to have it executed?

In Section 2.1.2.3 (p. 2-25) of the DEIS there is the statement, "PMRF will notify the State of Hawaii and the Kekaha Sugar Company at least seven days prior to launch before exercising rights under the easement." In Appendix B, Draft Memorandum of Agreement, Paragraph 11, "The Navy will notify the DLNR .....(illegible)... Hawaii Department of Transportation at least seven days prior to each rocker launch or closing of any position of the Kaumualii Highway; ..." In Appendix C, Draft Grant of Easement, Paragraph 7, "The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights." Since the Grant of Easement is the controlling document here as far as the U.S. government's right to control state land is concerned, does it mean that the U.S. will only attempt to notify the State, rather than "will notify"? If so, the U.S. government is under no obligation in practice to notify the State of Hawaii of any rocket launch. Is this

A timely response to these questions will be appreciated, in view of the intense interest in this matter on the part of the residents of Kauai

Thank you for your cooperation.

Yours truly.

Raymond L. Chuan, PhD

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The only Acceptable alternature on your
273 is the No Action Alternative.
The only kavai citizens who are really
in FAUNT of SDE on kavar are those
who are employed by PMRIT. Your
peronds of comment would accurately reflect
the opinions of Kavais residents if those
letters from PMRF employees were taken
for what they are, a plea for job
security- when actually there jobs are
not at RIS/2.
Name Pamera PALMER
Address P.O. Box 238 HANGET, 74 96714

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR32

1

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To Whom It May Concern: By way of introduction, my family has resided on Kauai for 1 generations. I attended Koloa Elementary school on Kauai and the Kamehameha Schools and the University of Hawaii on Oahu. After completing a tour of duty in the United States Army, I obtained a BBA in Marketing from the University of Hawaii and a JD from Willamette University in Oregon. I moved to Idaho and practiced law for seven years before returning to Kauai in 1980. My children are enrolled in the local schools, I practice law in Lihue, and my family is involved in various community organizations, citizens advisory committees, and government boards or commissions. I do not love war; I am personally acquainted with its horrors; and I do not wish my children to have to serve, as many have already Name Hartwell H. K. Blake Address 4334 Rice Street, Suite 202, Libue, Kauai, HI 96766 City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command

Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

2-23

Although defense spending is being curtailed, STARS/SDI research is the only defense related program for which Congress has seen fit to increase appropriations. Kauai is fortunate to already have a facility which can very easily adapt itself to STARS/SDI requirements.

My support for the STARS program goes beyond my hope that PMRF remains a major employer on the island of Kauai. I am aware of the risks involved in the STARS program. However, I believe that the United States Army and the citizens employed at PMRF will take all reasonable precautions to protect themselves, their families, Kauai's residents, public and private property, and our environment.

It is my understanding that the facilities which are already in place at PMRF, together with the deep water open ocean environment bordering Kauai's western shore, the freedom from encroachment of sea lanes and air lanes, and the extreme distance to other island groups and land masses, combine to make PMRF the safest underwater and overwater testing site available in our country. It is selfish to block the use of these available facilities and to send these programs to the continental United States where they pose an increased risk to persons and property.

We live on Kauai because of the tranquility which the island provides to us and because of the aloha which we share with each other. Nevertheless, we should not lose sight of the

WR32 (cont.)

fact that we are individually responsible as citizens to do what we can do best, to insure a strong national defense, which will not only protect our own way of life, but also foster world peace. We have the capability on Kauai to assist in achieving these goals, and we should not shirk our civic responsibilities.

2-24

JOANN A. YUKIMURA



GLENN H. SATO DIRECTOR

COUNTY OF KAUAI
OFFICE OF ECONOMIC DEVELOPMENT
4444 RICE ST. RM 204
LIHUE, KAUAI, HAWAII 98786
TELEPHONE (006) 245-7305

April 1, 1992

Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, AL 35807-3801

Dear Sir:

My name is Glenn H. Sato, Director of Economic Development for the County of Kauai. I wish to submit comments and questions regarding the draft Environmental Impact Statement for the Strategic Target System Vehicle Launches from the Kauai Test Facility at the Pacific Missile Range Facility on the island of Kauai. Hawaii.

First of all, I wish to state my support for the Pacific Missile Range Facility and it's contribution to the economic well-being of Kauai. PMRF has been a good neighbor, employer and contributor to the community. I hope this relationship continues.

I have written and contributed to the preparation of environmental assessments and environmental impact statements. My questions and the resulting answers should contribute to a more complete EIS document and allow for a better determination of environmental impacts. The document as submitted is incomplete and should be revised. Data included in the previously filed assessment must be included in the EIS if pertinent to the discussion. The following are direct comments related to the draft EIS:

- I wish to inquire as to the process leading to a final EIS. Will the comments be incorporated into a revised draft EIS so the public may examine the answers to the questions about the draft?
- What are the differences (size, fuel, age, hazards, etc.) of the missiles to be launched versus what has been commonly launched?
- In referencing the oil/hazardous substances spill contingency plan, are trained HAZMAT personnel on site at all times? If not, why?

MAILING ADDRESS: 4444 RICE STREET, ROOM 230, LIHUE, HAWAII 96766 FAX NO: 245-6479

WR33 (cont.)

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4. What are the possible effects of a liquid fuel spill? Is there any possibility of a gas cloud forming and moving to populated areas?

Page 4-59, Nitrogen Tetroxide: The exposure tables as shown in appendix E should show the possible effects to humans and animals. What could the "dilute vapor cloud" do to humans and animals? Page 4-59 discusses low level exposure to nitrogen tetroxide fumes possibly causing eye and nose irritation and yellow staining of the skin, yet the following sentence says that "its vapors may cause permanent injury, primarily in the form of burns to the tissue or pulmonary tract." These two sentences are inconsistent and an exposure table with resultant detrimental effects should be provided and discussed.

In addition, all discussion seems to center on transportation methods, however, there is no discussion on mitigative procedures in the event of an unforeseen accident. I am specifically referring to any disaster response plan involving military, State and County personnel. This plan should be in place before any activity and should be properly addressed in the draft EIS.

There is a significant lack of quantitative information regarding the existing conditions/environment and very little discussion of the impact of the proposed project on these conditions. For example, ambient air quality studies and baseline biological surveys are lacking. How will anyone be able to say if impacts have occurred and to what degree if baseline data on existing conditions are not available?

The summary on ES-5 states that construction will remove only 0.4 acres of weedy ground cover from an area that is regularly mowed. Assuming that additional areas are needed for the entire project, a biological survey should be conducted by qualified biologists and botanists. Impacts from construction cannot be mitigated by relocating plants if the plants are not identified and located before work commences. Construction workers do not usually know a rare plant from a weed.

- 7. Exactly how many launches are scheduled? The EIS states 4 launches per year for 10 years. Is this still true?
- Page 4-62. The discussion states that all shipments (of liquid propellants) will be scheduled to avoid peak traffic periods for roads and to avoid high-use times for harbors and known seasons for rough seas.

Kauai's main thoroughfare from Port Allen to PMRF is a two lane highway with very heavy traffic. Has the

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#### WR33 (cont.)

Strategic Defense Command collected data on traffic counts and movements to determine approximately when these periods will be? Traffic data may indicate that the only feasible time would be at night, which may present additional safety concerns that should be addressed. This should be discussed in the EIS.

- 9. What is the approximate timetable for the proposed launches? The EIS does not address Kauai's known season for rough seas and the possibility that liquid fuels for many launches may be stockpiled at PMRF. It is inadequate to have the EIS give a blanket mitigative measure and not address specifics.
- 10. Page 4-68. Discussion of ozone depletion centers on the "relatively small quantity of ozone" that could be depleted. Further discussion talks about the release area over the Broad Ocean Area and that no population centers would be in the affected area. Hawaii, in comparison to other areas of the world, generates insignificant amounts of ozone-depleting substances, yet the ozone layer over our state has been significantly affected. It is my understanding that ozone depletion is on a global scale and as such should be discussed in this manner in the EIS.
- 11. How many days in the year would the safety zone be in effect, from all PMRF operations, in addition to the proposed launches? There should be some discussion on possible negative impacts to commercial boating activities based out of Port Allen where the 3 mile limit may be detrimental. Reference is made only to commercial fishing activities and not to tour boats. The safety zone lies between Port Allen and the scenic Na Pali coast.
- 12. Why were County agencies not contacted in the preparation of the draft EIS as indicated in Chapter 7?

I hope my comments and questions result in a more comprehensive EIS that will provide Kauai citizens the proper information to determine the environmental impacts of the proposed program. I will await answers to my questions and the issuance of a revised draft EIS before determining if no significant impacts are anticipated from the proposed project.

Thank you for your attention to my comments and questions.

Sincerely.

Minn H Sute Glenn H. Sato Director

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#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am	in full	agreer	nent	with	the	find	ings	of	the	Dra	ft I	Envir	onmenta;
Impac	t Statem	ent fo	or th	e Str	ateg	ic Ta	arge	t Sy	sten	n. :	Base	ed on	these
findi	ngs, the	re sho	ould	be no	fur	ther	rea	son	to d	lela	y tl	nis p	rogram
once	the E.I.	s. is	rele	ased.	Th	e ST	ARS	prog	ram	has	my	full	support
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 Name	Vivia	n Kuta	ıka										
Address	Р. О.	Вох	730				Wa	imea	, н	9	6796	5	

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

City/State/Zip Code

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801 WR35 Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. 1 ROCKETS OUR PARADISE ... 96754 KILAUCA Address City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

WR36

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have read the Draft Erromondal Impact Statement
thoroughly and I agree that all times have been introduced and
anatyzed and and tade that the STERS prayrow is
to tally so fe to the island of Kovai. I support this
program 100 70. Being a member of our little demmenty,
I understand and sympathize with the concerns of the
mayor and the other propole of King, against 57265
Alwarer, I feel it is my duty as an imerican citizen to
support the decisions made by our efected officials regarding
any Military Program proven take and effective to thether place
and democracy throughout the entire world. In concernion, with the
apperation of every individual and with the Land's blensing, I hereally feel
overperation of every individual and with the Lord's blensing, I hereally feel that positive results and other bearits will occur with the introduction of STARS to our Gurden Island.
Name RANDY R. CHINEN
Address P.C. BUX 1133 KEKAHA, HI 96752
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

WR37

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Deputy Commander:

Asa repident of Kauci I would like to wrice my
Concern at the prospect of having a Staw Program on
This Island.

The first inappropriate to expect that accidents of the poet happen. Look at the Valdes Oil Spirit in alasta, Chernyobl in the Fed. of Soviet States, Three mile bland in Denn. and the list could go on a on. These are only a few examples of what people Said Could never happen. and did.

as a test site for antiquated weapons. Our country Is moving away from the threats of the Carriery

Name Busance Riedel

Address

POB 306 (# 10 Pari Ke kwa, Prince Killy)
Brown Address Hunalei, Hr 96714 City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR37 (cont.)

and into an era of proceable negotiation, unfortunately, The need for less defense means a reduction of tobs in that catagory — However, we could find a more productive use of our tax dollars to employ those people that will lose tobs due to a reduction of the defense bodget.

Consider, Cor example, using the Barking Sands facility for radar tracking and air and sea Sopety | rescue activities. Perhaps These individuals whose Jobs are Threatened Could become part of a research team to relocate and durlope Sensible hausing alternative for the many already displaced parjuil Dianders.

fetus, the Community, begin to work together with the government in Strengthening our ties and reuniting our love of the Country is a safe and Productive way.

Please, do not go a lead with the proposed plan for Star Ward testing on the Island of Kavai... accidents do Happen Very Sincerely,

Suzaine Diedel

PS. If atous possible, Lwould appreciate a reply. STAR PRODUCT OFFICE U.S.ARMY STRATEGIC DEFENSE COMMAND CSSD-EN-V P.O. BOX 1500 HUNTSVILLE, ALABAMA 35807-3801

March 31,1992

Dear Colnel,

I am sorry that I did not have the pleasure nor the opprotunity to personally say ALOHA and MAHALO NUI LOA before you left Kauai. But I would like to do so now...On behalf of my most beloved and treasured possession, my 7 year old grandson, and all of the patriotic and loyal American-Kauaians, I would like to say a big MAHALO....We know and appreciate the objective of your mission with respect to national defense. We also appreciate the way you handled yourself amidst volatile and acrimonious adversity, namely that "Bunch" maverick protestor-activist from Kauai's north shore.

Please keep in mind and proper perspective that Elizabeth Freeman and Suzanne her side-kick are NOT endemic to the sands of hawaii; but are really the flotsome from the mainland United States that was carried by ocean currents and somehow washed up on the shores of Kauai. Now that they are here, they act like "They own the joint" by imposing their predjudices, likes and dislikes upon us native Hawaiians and Kauaians. If we Hawaiians had our way we would send them back from whence they came, but we have not canoes that can make the trip to HADES! You know Colnel, I have driven tours on Kauai and Oahu for nearly 24 years, and I also used to ask the tourist if they have enjoyed the beauty of Kauai's beaches, canyons, waterfalls, the sculptured cliffs of Napali, and the warm and friendly people of Kauai...if they said yes, which almost always was the case, I would ask that they not take the usual gifts home to the mainland such as pineapples, macadamia nuts, Kona coffee, or anthuriums, but instead take a "Hippee" home with you. But alas, as you can see, both Suzanne and Elizabeth Freeman are still here!!

I don't know if you caught the point of the remarks that some of our local supporters were shouting back to Elizabeth group: "Go home hadle"! But what they were referring to was the fact that over-whelming majority of the protesting activists ARE NOT ENDEMIC TO HAWAII!!! And ever since their arrival here they have not been a welcome addition to our community. They can only criticize and condemn but offer nothing constructive to resolve the problems which have been created by their presense here. Therefore, please be very careful when you evaluate the written and oral testimonies that they have rendered. Especially pay particular attention to how long they have been on Kauai...then you see the difference of cultural values more definitively and more accurately.

The 5 page letter I have enclosed is my statement/testimony that I would like to enter on my familys' and my behalf to show support of the SDI & STARS Project. I am neither a journalist a writer of any sort, and I have never taken typing in high school or college, so please forgive and over-look all the typo errors, the errors in grammer, and the word ommissions that is readily found permeating that document. I am mailingthat 5 page document to our 4 congressmen in Washington D.C..If I knew when the congress was going to hold hearings on this issue, I would endeavor to catch a "Hop" to D.C. and give testimony in person. After all I am retired U.S.A.F. and therefore, entitled to catch a hop on space available basis...I know that Elizabeth and her gang will be doing the same. Anyways Colnel, have a happy Easter and may God bless you and your family, until we meet again, A HUI HOU KAKOU!!!

Surrence J. Jerry " Livela

WR38 (cont.)

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Washington, D.C. U.S. Congress

March 30, 1992

Dear Senators and Congressmen:

Last week Tuesday and Wednesday, March 24 and 25, the U.S.Army held open hearings on the SDI or STAR wars programs slated to be conducted during the next ten years if the U.S.Congress will go along with this program. It is my hope and the hope of all the Veteran Organizations on Kauai, that all four of you folks in Washington will also be supportive of this ambitious undertaking. I would like to call to your attention some facts that maybe overlooked in the multitude of testimonies given in those two nights.

#### A. KAUAI'S VETERANS MANA'O:

Hopefully, you will remember that most of Kauai's vets are local boys that are by nature, very timid and are too embarrassed or self-conscientious about their inability to communicate effectively before the general public. They also feel this same way about voicing their opinion in written form to you folks in Washington. But these veterans showed up in force wearing yellow T-shirts, which was the uniform of the day for the occassion. There was quite a few veterans there at the War Memmorial/Convention Hall in Lihue. These vets all were solidly in support of the U.S.Army SDI program at PMRF-Mana.

These vets feel that they gave their lives, limbs, and their youth to this country. They gave freely, loyaly, and without hesitation to keep this country free from wars, and threats of wars, so that they and their children, and their children's children, would be free from foreign nuclear intimidation or any other form of military coercion, especially in the form of ICBMs or IRBMs.

In order to accomplish this goal of being free from worry with respect to these missles that can ruin the peace and tranquility of Kauai, we Veterans of Kauai VERY STRONGLY URGE YOU TO SUPPORT THE U.S.ARMY'S SDI MISSION! PLEASE!! Please also know that the over-whelming majority of those protesting the SDI program do not live in the westside of Kauai, but come from primarily the affluent areas of Koloa, and especially the Kilauea-Princeville area. They also got up and testified that they were only 4 to 7 year residents of Kauai. And in all probability are not veterans, meaning that they have NEVER served in the armed forces like we have! Please remember that we are the Kamaainas, and they are the malahini haole's that "Appear" to be malcontents, misinformed, acrimonious, vociferous, flotsam that washed up on our shores and have never contributed anything for the benifit of this county of Kauai. They are very analogous of the 1960's agitators that we saw too frequently on television during the Vietnam conflict.

Like those street and campus agitators of the 60's, they know how to manipulate and or utilize the mass media to achieve their ends. We locals on the other hand have newspaper or television support to back up our protests against these rabble rousering, loud uncooth deviants and protestors.

I bet you that if a plebicite or a referandum was added to this year's election, you would see that we veterans and the general population of Kauai would be staunchly behind the U.S Army! But alas, our county is too poor to afford this luxury!

2-29

I therefore want you to know that those misled, misguided native Hawaiians that were present at the Convention Hall for the hearings, speak for themselves and not all or the majority of the native Hawaiians that I know. They seem to be looking for a forum to speak other Hawaiian issues such as Hawaiian Sovereignity and the preservation of Hawaiian language. There also present amongst the native Hawaiians those people that had taken over the public areas of Anahola Beach Park and had to be forcibly evicted from that park by the DHHL and the KPD. In other words other than Alethea Kauchi and Kalani Flores, and a few others, there were  $\underline{\text{NO}}$  native Hawaiian who could contribute any logical and not emotional arguement that was pertinent to the issue in contention.

I have found out that the U.S.Army has gone way out of its way to avoid desecrating either ancient Hawaiian grave sites or temple (heiau) sites. I also found out that no digging of any sort relative to the construction of the test launching site, is ever made without Dr. Kikuchi, Kauai's eminent archaeologist and teacher at Kauai Community College, being present during the actual digging. The cost for Dr. Kikuchi's presence, the re-internment of any bones found at or near the launch site of Nohili, and the salaries of Mrs. Kauohi and Kalani Flores, have all be paid for out of the U.S.Army funds for this project. As far as my personal research into the activities of the Army's efforts in that area convinces me that the Army has gone out of its way to avoid destroying or desecrating graves and other archaeological sites. They have shown great respect and have treated our ancient culture with the utmost reverence and dignity. I as a native Hawaiian am greatly impressed, gratified, and appreciative of this treatment... Very much worry of credit to the U.S.Army.

#### C. THE NEED FOR RESEARCH AND DEVELOPMENT OF SDI:

Last year we witnessed our highly developed high-tech weaponary at work first in "Operation Desert Shield" then in "Desert Storm". As we saw on the television coverage of the PATRIOT vs SCUD missle confrontation, you cannot deny that spectacular performance of this anti-missle missle was awesome. Post war criticisms arose soon after the crisisstating that our PATRIOT missle was only effective 50% of the time. There seems to be some very importfacts missing from this criticism, in fact the most important fact that this weapon system had NOT completed its "Shake Down" tests of research and Development. But because of the urgency of the situation to do something, anything to stop the Iraqi SCUDS, it was rushed into emergency useage anyway. If it had completed further testing and subsequent refinement and development, I am positive that the PATRIOT'S performance would have been alot better! However,

WR38 (cont.)

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#### C. (CONTINUED):

the fact that the research and development was not completed, under-scores the necessity and importance of high tech research. More especially in the high tech area of anti-ICBM and IRBM research. Speaking for the veterans of Kauai, I know that if we had a developed and refined anti-ICBM missle system provding our families and communities with a protective "Umbrella" to live under, we would rest alot easier than not having anything at all. So please do your share in the halls of congress to give us this protection!!! PLEASE SUPPORT SDI& STAR WARS RESEACH!!!!!!!

#### D. ECONOMIC IMPACT OF SDI PROGRAM TEST ON KAUAI:

PMRF now employs approximately 500 peopl at present, if you multiply that figure by 1.5 because of the wife and child effect, you will see that there are at least 1200 people that depend on the continuation of basic aerospace research as well as naval manuvers off the coast of Kauai. With the anticipated 4 launches per year, there will be a total of 600 more personnel coming to Kauai per year. This amounts to a very large amount of money. Here is some eye-openning figures:

1. There will be 4 launchs per year for 10 years

- 2. There will be approximately 150 technicians and scientist present per launch.
- 3. Their stays will be approx. for 30 days; 2 weeks before and 2 weeks ater the lauch. These figures amounts to 4500 guest room-days/launch

4. Since there is supposed to be 4 launchs/yr., this translates to a whopping 18,000 quest-room days/year.

5. Multiply this by the special government room rate at either the Waiohai Hotel or the Sheraton-Kauai Hotel at Poipu, which is \$75.00/day; this is equal to 1.35 million dollars per year (\$1,350,000.00). And this only represents room costs. Multiply this figure by 10, and this translates to \$13,500,00.00 spent over a 10 year period.

6. Besides that figure, you have to add the cost of feeding these technicians. Their per deum should be at least \$35.00/day multiplied by their 4 times/ year appearances, this comes up to \$630,000.00/yr., or another \$6,300,00.00 to be spent over a 10 year period!!!

7. Besides the basic human needs, I am sure that these technicians and scientists will imbibe or drink which is not included with these figures

Also not included but should be considered along with these projections, are car rentals, tours that might be taken such as helicopters, boat tours to the Napali coast, bus tours, tours to the Fern Grotto, gifts and momentos such as pineapples, macadamia nuts, coffee, leis, anthuriums etc.

So as you can readily see, this program will bring a very real-shot-in-thearm for our tourist oriented industry. Also keep in mind that all these vendors and service providers keep Kauaians employed therefore, we do not want to loose this project: FOR THIS REASON ALONE WE WANT YOU TO SUPPORT SDI AND HELP BRING "NEW GOVERMENT MONIES" TO KAUAI!!!!!

#### E. THE NEWS MEDIA:

I believe that there was some very bised reporting prior to, and following those public hearings in linue. It appeared to me that, both newspapers were deliberately distorting the news as well as trying to fuel the protester movement with their OPINIONS. As you know OPINIONS, and personal interpretation are not necessarily and fundamentally TRUE or CORRECT. And by giving the almost limitless support and news space in their papers, the average John Doe citizen of Kauai were inundated with this distorted prevarication. This in turn caused these basically ignorant populace to be swayed to believe the "Prinrted" word. Hence, a lot of people maybe writing to you congressional representatives that they oppose SDI. The with-holding of certain facts, the printing of only half-truths, and the deliberate equivocation of news achieved partial success amongst the local communities.

As you know most people are either lazy and want to be "spoon-fed" their news, or, they are too busy for whatever reason, to research facts on their own to check out the veracity of the news. Hence, the news media is responsible for being the instrument of diviseness amongst Kauaians. This misuse or abuse of the press has polarized Kauai into two camps: one for, and one against SDI/STARS. However, since they control the most influential and the most powerfull weapon in the arsenal of yellow journalism....It is my sincere hope, that you are not easily awed or influenced by such chicanery....please have one of your staff researchers to objectively, analyze ALL the facts before drawing any conclusions.

I would like to remind you how the yellow journalism of the nineteenth century millionare newspaperman William Randolph Hearst used his powerful newspaper to convince the United States to go to war with Spain. Subsequent U.S. Naval investigations proved unequivocally that the Spanish were not culpable for the sinking of the U.S. Maine in Cuba. The point being in this analogy is that the deliberate equivocation of so-called facts served his own personal self-intrests. I believe that this is what happened here on Kauai also.

Concerns expressed by the opponents of SDI/STARS are almost all addressed in the EIS....Please read it before believing the arguments of the protesters, then you can judge for yourself the validity of their arguement. I am totally convinced that the U.S.Army has taken every facet of possible impact the misle launchings could have upon the environment. The Army is quite awares of any and all possible dangers that can arise from the project, and have all precautionary measures to prevent such a happening. Besides, as a fisherman resident of Kauai, I want you to know that the occassional forbiddence of entry to the PMRF has been very benificial to local fishermen. The temporary denial of entry during the previous rocket launchs and other military manouvers, has had a benificial effect upon the fish populations there at Mana. Ask any fisherman who has used that area how is the fishing there at Mana, and guarantee you that will tell its great! And these temporary closures are only a minor inconvience that reaps a large benifit for the fishermen!!

Please remember us vets that gave our youth, limbs and some their lives, in loyal service to our country, and most especially when this issue of the SDI/STARS comes before the congress for approval and funding. Please remember the ultimate purpose of this project with respect to

WR38 (cont.)

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national defense. This defense I speak of is not only for the 48 contigous states in the mainlandm, but also gives Hawaii and all our families here an added ounce of prevention against nuclear irradication! I dearly want all of my descendants to enjoy our beautiful Hawaii Nei.

Please examine very carefully who are the supporters of SDI and who are their opponents. The over-mhelming majority of supporters are local born, and bred in Hawaii, Look at the opposition, and you will see that these are very obviously mainland recent arrivals. Look at the two groups of people and see who as a group has contributed to the enrichment of life on this Island. Look at these two opposing groups and see which of them is the one that has contributed men and women for military service. Look at these two groups and see which one has those people that have A VERY SPECIAL ALOHA AINA MANA'O, I know you know the answer to this question...these are the sands sea from whence our ancesters sprang from!

For over twenty years our navy has been testing rockets, and having manuvers at PMRF...where were these protesters then? Why is it now all of a sudden, no good for the environment to do any further testing? Are you awares that the opposing factions' arguements about potential damage is purely hypothetical and conjecture which is just barely garnished with a sprinkling of

If you were to carefully scrutinize how diligently and earnestly the Army personnel went about doing their research regarding all possible problems that could be anticipated with the project at Mana. The Army sought the best and most authoritative scientists and experts in the particular fields; the EIS names quite a few such authorities. As a native Hawaiian, I was very glad to know that the U.S. Army even hired the services of the best available native and local authorities of Hawaiian antiquites and archaeology, namely, Dr.W.K. Kikuchi of the U of H, Kauai Community College; Alethe Kaohi and Kalani Flores. The names of other prominent scientists in the field of marine biology, plant ethnobiology, chemists, aero-space medicine, and many others can be found in the EIS and the records of the U.S.Army officials that are responsible for thois project in Huntsville, Alabama. I honestly believe that the Army has done its best to address the concerns, as well as redress and head-off any problem areas associated with this project.

Please keep in mind that it would be a crying shame, an outrage, a grievous offense to all of the local-born people, all of the vets of Kauai who have served loyally in the armed forces, and all of the Kauaians yet to be born, if you were to use the power of your offices to scuttle the SDI/STARS project at PMRF. Please heed our urgent pleas for your support... PLEASE SUPPORT THE SDI & STARS PROGRAM; PLEASE HELP THE U.S.ARMY GIVE US THAT ADDITIONAL OUNCE OF PREVENTION AGAINST ICEM'S!!!

ME KEALOHA PUMEHANA

SAWAWAN FT SAWATA

LAWRENCE F. AIWOHI, U.S.A.F. Ret.

USVA C# 210 25 421

D.A.V., Chapter 5 4850 Kawaihau Rd., Apt. 3A Kapaa, Kauai, HI 96746 Tel.(808) 822-3481

WR39

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I object to Stares missile laurches
on the following grounds:
1) The effect on the ozone layer is not
properly addressed in the EIS.
2) I object to the human rights abuses
to the residents at &BEYE, sponsoned by
my tax dollars
3) Nobili Dive is culturally significant,
3) Nohili Diwe is culturally significant,
for your launches.
I support the No Action alternative

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip Code

3236

Name Joseph Thom son

WR4

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Address <u>P.O. Br. 434</u> Street Address	Kilauca HT 96754  City/State/Zip Code	
Name Charlene Fleming	9	
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	egotive emissions in the air at a time	_
Kavai For the below		
	ng Strategic Target Missles tram	
	covers all the Impacts that	
I don't real to	he Dratt Environmental Impact	

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

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#### Written Comment Sheet

### Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM against the Stars Project for many reasons O effective ress & benefits of growned Trace

suppose have not were shown (Time 3/22/22, Newsone 3/22/22

We fast. 3/1/22 (2) H would be largest single source

of original depletion (3) If accident occurs it could

cause great econonic produces on Early why

Path Rac VAN HAVK

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City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

> P.O. Box 1500 Huntsville, Alabama 35807-3801

WR42

#### Written Comment Sheet

### Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command

Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

### **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Address 48t1 City/State/Zip Code

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR44

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Written Comment Sheet

### **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Address

1

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500

Pages 1-4

april 2,1992

Dear Mr. Gallien,

I attended the meeting on the first night concerning the star wars program to be implemented on the Island of Kavai Hawaii. I got there at 6:30 PM and stayed to the end which was around stayed to the end which was around

stayed to the end which was around stayed to the end which was around 12:30 AM. I would like to say at the outset that I'm not anti-establishment or anti-military.

I was in the senece - Have Corps for four years during the Viet Nam era. Although I didn't approve of why we should

have been there, I want going to sun off to Canada gither. I would have good

to Viet Nam if I had to. Fortuntely I didn't have to go because my brother was

there.

I am a resident of the State of Howaii for almost 9 years now, therefore, I have a WR45 (cont.)

definite concern for what is happening here and what could happen in the Juture. I happen to think that the concept of "Star where" is good. It's only a matter of time before some developing nations will have nuclear capabilities and they could, therefore, threaten our epistence. Therefore, it

I have to state however that I must go on second as protesting or opposing a star wars Program on this Island of Kanain

makes sense to have something in space to

try to stop them and to act as a deterest.

I think that it is too dangerous here. I object to having the Island as bring a larger for in coming missles. If there is to be a star war Program, it should be in an isolated area had in a populated area to jeopardize the lives

2-35

of our citizens. Mayle to Henry Resonger, the lives of a few don't count count compared to the many. Henry Ressinger never had to live on Kwajalein atoll in the Marshall Dolands and have his home land taken from him and heroled like sleep into a small confined areas no bigger than ale Moana Shopping Center in Honolulu. Henry kissinger didn't have to watch as his home land became a larget for missles like the Marshallese people That to cirties. I don't want to see Kawai to corry on the legacy and like I mentioned, I don't think that it is right for us to become a target also from any other nation or country. also I object to Contributing to the determining of the Ozone Jayer and to the danger of transporting dangerous chemicals on an roade here.

WR45 (cont.) I don't think that PMRF" is going to close down just because they don't get the liter wars Program. I feel that PMRF is to vital to the defense of our country and too much money and effort has been invested there for the stablishment of highly technical equipment to safe quard our country from attack. Thankyou for reading the letter. Respectfully, Louis A. Peresta Jr. P.O. BOX 1705 Lihue Khuni HAWAII

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:
I want the No Action option []
Fo STARS.
After hearing the facts from
the hearing, I feet it would have a
negative impact on our economy on
Kanai We'd get known as the "Missle
Island" - not a good vacation image.
I also feel its stupid to
in the post- Cold War era to spend money
on offensive weapons.
These weapons are also dangerous.
to human whale, and fern life Thank you.
Name Deborah L Arata - Weborah Chala
Address 3473 Lawa loa Lane Koloa, HI 96756  Street Address Chty/State/Zip Code
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR47

### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1 Mas Circ:	
I am basically asperal &	<u> 160</u>
STARS scorum and to its ings	Car Soft
n. Kauhi seekeell	<u>-</u>
In this I part Cold Was served,	us 40
luger need to opend money ich elatione	<del>ul</del>
Mensive weapons under The quise of les	louse.
I also there would be significant,	nseet
on proligical elamenta, cloudy serverely impo	ac kel
Cr. human a ctur his.	<del></del>
	<del>, ,</del>
- AM	<del></del>
( gody)a	
Name will Kuha	
Address 4f / Kala Kale Lity/State/Zip Code	
Street Address City/State/2p Code	

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

WR48

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The DFIS should have been afted by 1

Objective, groups not navy army, NIRA

and military. I want shore research

and information the impact ing a parsible

aredint on the islands main industry.

Islands of June to partial acridents during

An the impact of possible acridents during

transportation of scource fuels and [3]

Institute finant more detailed information

on the impact of bronungs of fluorically

on the open layer. I want the be malded to

to be made, his as observed partial addition

Name made in pact, but the details.

Address PO BOX 7 38 Havey to pe 14 196716.

Seven Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR49

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

T AM OPPOSED TO THE STAR WARS HORT
ON THE ISLAND OF KAUAL. OUR ISLAND
IS ONE OF THE MOST BEAUTIFUL SPOTE
ON EARTH, AND EVEN THE CHARKE OF
AN ACCIDENT IS A THREAT TO OUR
ECONOMY A MISSLE BEING LAUNCHED
AND BEING EXPLODED OUE TO AN
ACCIDENT, MISTAKE, OR FAILURE WOULD
DESTROY OUR ECONOMY. OUR ECONOMY
IS BASED ON TOURISM, AND IF OUR
ISLAND WAS ALTERED DUE TO A MISSLE
ACCIDENT OR JUST NEWS STORIES
OF WHAT COULD HAPPEN FROM A
Name John R. CHURCHILL
Address 5391 KUAPAPA ST. KAPAA, H. 96746-3355

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

City/State/Zip Code

P.O. Box 1500 Huntsville, Alabama 35807-3801

CUER

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MISTAKE BY THE MILITARY THE BOTTOM WOULD FALL OUT OF OUR TOURIST INDUSTRY.

I AM ALSO AGAINST YOUR STRATICIC TAKE
SISTEM PROGRAM OUE TO YOUR TARGET -THE
KWAJULAN ATOLL IN THE WAKSHALL ISLANDS
THE INDITINANT WAKSHALLESE PEOPLE SHOULD BE
SIURY THEIR ISLANDS BACK AND PAID FOR OUR
ILLECAL TAKING OF THEIR ISLANDS - SINGE

TT IS TIME FOR US TO RETIRE MOST
FOUR MILITARY FORCE AND WORK TO FORM
WORLD GOVERNMENT. WE HEED TO FORM
FOR THE WILLTARY STOP CREATING FEAR AND
THE WORLD THEIR TOBS. I REFER YOU
THE BOOK, "PLANETHOOD" BY BENTSIMIN B.
THERENCZ AND KEN KEIES JR.
THIS IS THE TIME OF CHANGE IN OUR
JORLD AND IS TIME FOR US TO CHANGE OUR
OSITION IN THE WORLD POLITICES AND TO LEAD
OUT OF THE GLOBAL WARS.

Lespert Fily Submitted Jun R. Que Cill WR50

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I striniously appose the Star war program.

and the process of Pr f on Kauai

The launching of rockets from Kauai

the mainland or anywhere else, also the

Star war hased in the passful Islands.

Doaw the documentary film Home on the Kange.

It is disjusting how the local islander are

being the sabjut of such above. Since 1950

The Prisident speaks of visitation of civil right

and aux government has her done It for

years. Secure involved the first day at

Barling Sands. Swill give war effort to

help stop this war project. turn over

Address

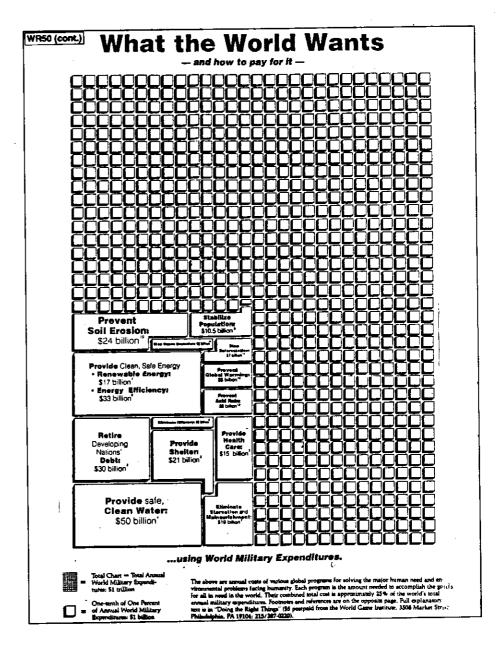
Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command

Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

WR50 (cont.) Please repair from sonding me any more perpogenda. I worked a Rouchine Cahfornia Iknow, ongo enough about Rachets to ke down on Ster wars. also money wasted of Space effloration. I collected signatures prostering against star war, including tourists, who have plints of it on the mainland, they imped at signing. The only ones for it are grany train employees at PM A+1 Jam moter affing my eignater. I want no max garbage paper cent to me. The public Hearing Seld at Kawai War memorial Connextion hall, near twent nasty, and a possibily of confrontation I hope Star wars is concelled hafore that does happen . I'm sending cards and literature to Mainland Dravel Agencies on Mainland, Australia Junada.



- 1. Eliminate starvation and malmourishment: \$19 billion per year fotal: \$2 billion per year for 10 years for global inmine relicf—spent on international grain reserve and emergency farmine relicf: \$10 billion per year for twenty years spent on farmer education through vastly expanded in-country extension services that teach/demonstrate sustainable agriculture, use of local fertilizer sources, pest and soil management techniques, post harvest preservation, and soil management techniques, post harvest preservation. and soll management terminates for increased and which provide clear market incentives for increased local production; \$7 billion per year for indigenous fertilizer development. Educational resources of \$10 coupled with this strategy. Closely linked with \$'\$ 2, 2A, 2B, 4, 5, 9, 10.
- 2. Provide benith care: \$15 billion per year spent or
- 2. Provide beaith care: \$15 billion per year spent on providing primary health care through community health workers to all areas in the world but do not have access to health care. Closely linked with \$1,3,4,5.

  2A. Child health care: \$2.5 billion per year spent on: a) providing Vitamin A to children who lack it in their diet, thereby preventing billioness in 120,000 children/year; b) providing oral rehydration therap; for children with severe diarrhoea; and c) immunizing 1 billion children in developing world against measies, tuberculosis, diphthetia, whooping cough, polio and tetanus, thereby preventing the death of 5-7 million children/year; b) colone addition to table sait to eliminate todine deficiency, thereby reducing the 190 million who suffer from gotte rand not adding to the 3 million who suffer from overt cretiniam.

not adding to the 3 million who suffer from overt cretinism.

- Eliminate inadequate housing and homelessness: \$21 billion for ten years spent on making available materials, tools and techniques to people without adequate housing. Closely lanked with #3 1, 4, 5, Q.
- Provide clean and abundant water: \$50 billion per year for ten years spent on water and sanitation projects—wells, pipes, water purifying systems. Closely related to \$3 1, 2, 3.
- 8. Eliminate illiteracy: \$4.5 billion per year for ten years: \$2 billion spent on a system of 10 to 12 communication satellites and their launching: \$2 billion spent on ten million televisions, satellite dish receivers, and photovoltaic/battery units for power—all placed in wilage schools and other units for power—au piaced in village schools and other needed areas throughout high illiteracy areas: the rest [90% of funds], spent on culturally appropriate literacy programming and maintenance of system. Closely related to 4's 1, 2, 3, 4', 9, 10, 11.
- Increase efficiency: \$33 billion per year for ten years spent on increasing car fleet mileage to over 50 m.p.g..

plus increasing appliance, industrial processes, and household energy and materials use efficiency to state of the art. Closely linked with #'s 7, 8, 12, 13, 14.

- 7. Increase renewable energy: \$20 billion per year for ten years spent on tax and other incentives for installation of renewable energy devices, graduated ten year phase-out of subsidies to lossit and nuclear fuels. year phase-out of summers to fossis and nuclear fuels, research and development into more advanced renewable energy harnessing devices. Closely linked with 4's 6, 8, 11, 12, 13, 14.
- 8. Debt management: \$30 billion per year for ten years spent on retiring \$450 billion or more of current debt discounted to 50% face value. (Much of developing world a current debt is already discounted to 10-25% face value.) Not only helps developing countries get out of debt, but helps banks stay solvent. Closely linked with #s 1, 6, 7, 10, 11, 14.
- Stabilize population: \$10.5 billion per year for ten years spent on making birth control universally available. Closely linked with #s.1, 2, 3, 4, 5.
- 10. Reverse soil erosion: \$24 billion per year for ten years spent on converting one-tenth of world's most vulnerable cropland that is simultaneously most susceptible to erosion, the location of most severe erosion. susceptible to crossion, the location of most severe crossion, and the land that is no longer able to sustain agriculture, to pasture or woodland; and conserving and regenerating topsoil on remaining lands through sustainable farming techniques. Both accomplished through a combination of overnment regulation and incentive programs that remove the most vulnerable lands from crop production; and by farmer education through wastly expanded in-country extension services that leach/demonstrate unistainable agriculture and soil management techniques. austainable agriculture and soil management techniques. Closely linked to #1.
- 11. Reverse deforestation: \$7 billion per year for ten 11. Reverse astorestation: 57 billion per year for ten years spent on reforesting 150 million hectares needed to sustain ecological, fuelwood, and wood products needs. Planted by local villagers, costs would be \$400 per hectare, including seeding costs. Additional costs for legislation, financial incentives, enforcement of rulinorest protection. Closely linked with \$10 and 14.
- 12. Reverse osone depletion: \$5 billion per year for twenty years spent on phasing in substitutes for CFCs. CFC taxes, incentives for further research and development. Closely linked with #14.
- 13. Stop acid rain: \$5 billion per year for ten years spent 13. Stop seld rake: 35 billion per year for ten years speni, on combination of tax incentive, government regulation and direct assistance programs that place pollution control derices (electrosistale prepipitators, etc.) on all industrial users of coal, increase efficiency of industrial processes, branportation, and applicances. Closely linked
- 14. Stop global warming: \$8 billion per year for thirty years spent on reducing carbon dioxide, methane and CFC release into atmosphere through combination of international accords, earbon taxes, increases in energy efficiency in industry, transportation, and household, decreases in fossil fuel use, increases in renewable energy use and reforestation. Closely linked with # s 6, 7, 11, 12, 13.

References: Ho. Ping. Food for Everyons, World Game Institute, Doubleday, New York #1, 10. State of the World's Children. UNICEF. Oxford University Press, 1990: #2, 2A, 2B. UNICEF. Oxford University Press, 1990: #2, 2A, 2B. UNICEF. Oxford Moving Toward's A Global Ethic. Development Forum, p.1, Sept./Oct. 1990: #2, 2A, 2B. State of the World 1988. Worldwatch Institute, Washington, D.C.: #4, 6, 7, 8, 10, 11. Energy, Earth and Everyons, World Game Institute, Doubleday, New York: #6, 7. Soft Energy Falhs. Annoy Lowns, Ballinger, Boston: #6, 7, 1990. Report on Progress Towards Psopulation Stabilization, Population Crists Committee, Washington, D.C.: #9. World Resources 1986, 1987. World Resources Institute, Washington, D.C.: #1, 14. The Sky is the Limit, Strategies for Protecting the Ozone Layer. World Resources Institute, Washington, D.C.: #1, 1986; #12.

WR51

#### Written Comment Sheet

### Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

T. AM VERY MUCH AGAINST HAVING THE STRATEGIC TARGET SYSTEM PROJECT ON KAUAI. ATTRACTS THOUSANDS OVER THE WORLD EVER LAUNCHING SITE MISSILE HERE AND TURNING TURN VISITORS MISSILE SITE PRESERVE ANNE ENGLISH 96741 Box. KALAHEO PO Address City/State/Zip Code

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

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#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

MISCILE LAUNCHES DUE TO THE FACT THAT THE

ACTUAL AND POTENTIAL ECONOMIC AND ICCURRONMENTAL DAMAGE WHICH THESE LAUNCHES WILL

CAUSE FAR OUTWELL HAMY POTENTIAL PROPOSED

SYSTEM CAN PROVIDE. I STRONGLY RECOMMEND

THAT YOU ADOPT THE "NO-ACTION" ALTERNATIVE.

Name MICHAILL S. SWATER.

Address 3707 OMAD ROAD, KOLOA, HI

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR53

 $\bigcap$ 

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Against testing missile system on Karai.

This is the "garden island. We have a sone time erology is enciroument. An accordant round where hance an both the immediate cream and also land areas.

You haven't exerced the immediate offects of halon release on immediate ozone depletion above.

Visitor industry (our main industry) could be demolished by ritter A) an accordant B) a reputation of an amount of the superior of the same pollution from landless is always of the control of the

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

24.2

Tsugime Takemoto 646 Ahele Drive Kapaa Hi 96746

April 2, 1992

Deputy Commander, U. S. A. SDC CSSD-EN--V (D. R. Gallien) P. O. Box 1500 Huntsville, AL. 35087-3801

Dear Sirs

The STARS debate will probably continue on Kauai as the fanatics are still here. I regret not being able to go to the two hearings you held, but we don't drive at night unless it is absolutely necessary. Old age does have a tendency to creep up on us.

Despite the circus atmosphere and all, I say we still need the missiles. We are still in danger from attack, what with pulling out of the Phillipines. At least if we have the missile, however small, we will not be so readily attacked.

Where the money comes from I shall never know. Rumor has it that the ones who speak against it, are shipped in from the Mainland. Not all, but most.

So I hope that the decision will be made to stay as we are and the sooner the better so we can get tourism back to support us like it did before.

I appreciate your sending the literature so I could look at two sides of the coin. My interest is from being President of the American Legion Auxiliary, Kauai Unit 2. The greatest majority of veterans are for it. I am also secretary to the Kauai Veterans Council which is on record as for it.

Thank you.

Sincerely.

Tsugime Takemoto 6416 Ahele Drive Kapaa, HI., 96746 823 6160 WH55

1

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Kanic represents the Last Garden of Edentice! I who Fisit and especially those use live here. It is known as the healing island. Bringing star warms here would not only harm the environment but put at risk the lines and livilihered of its people if there were to be an accident in transporting the chemicals bequired to Caunch this project through the island. The chanices of an accident trapperating are very probable and likely. This do from the environmental issue:

(the depletion on the ozone layer, e transporting toxic chemicals) I find it dispespectfull to the Hermany who is land helionas to the Caurching Side being on one of the most sacred heaves on the Island.

Address P.O. Bot 3 Kadia H. 9675 1

Street Address

Caus. -

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

on Kanai. The world struction has
changed greatly since the inception and of stakes
and it was not and necessary anymore.
Who will attack us? The major threat
Now is terrorism and STARS does not
address that. Also, Given our present
economy it is facilish to spend billions
of dellars on a project that is not
necessary and vary probably will not be
effective. Additionally, the pokatial for
ecological them to Kanai, which translates to
economic harm is too great to be acceptable
Name Richard Sherman
Address 3707 Omo Rd, Kolog HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801 WR57

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

STARS on Kanai. I back the mayor

who is opposed to the 3THRS project

for outroged that the public's health

of tafety would be at resk if transportation.

Brayslaves materials were allowed

to dappen. The E15 Study + PARF officials

have not been contacted as consulted

Kanai's Public Affety staff.

In this post coed was period, we

no longer need to spend money for

Offense weapons under the guise &

Alfense!

Name Auto Van Auton

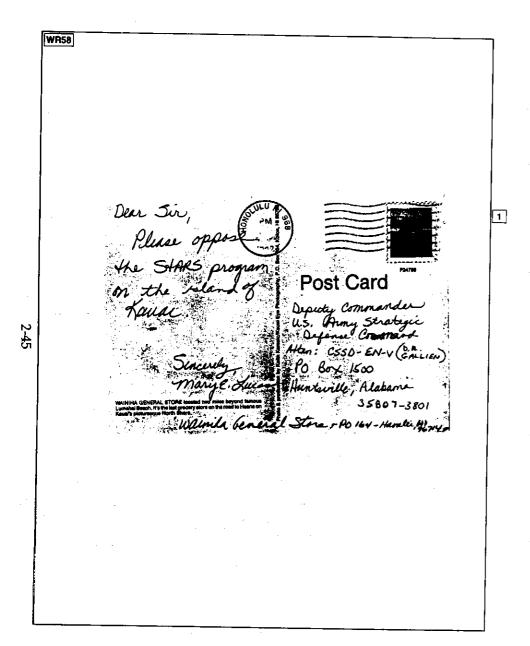
Address 10 Boy 1200 Kalaboo HT 96766

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801

4



Written Comment Sheet	
Strategic Target System  Draft Environmental Impact Statement	
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.  Should an accident occur, the lead  Juliculy would effect such economy as used as harm the island it self- when the island offences of the previous offences.	
as defense thease shoose the No Action petron for Stare on Hausi	
Name  Address 4811 KikAA KALAHEO H: 96741  Street Address City/State/Zip Code  Please hand this form in or mail by April 13, 1992 to: Deputy Commander  U.S. Army Strategic Defense Command  Attention: CSSD-EN-V (D.R. Gallien)  P.O. Box 1500  Huntsville, Alabama 35807-3801	

April 5, 1972 Sudith B PARSONS P.O. By Z Makaweli, Kavai, Hi 96768

US ARMY Statistic DEPENSE Command Att: CFFD-EN-V (D.R. GALLICA) P.O. Box 1500 Huntsville, Ala. 35807-3801

Dear Malama Sir;

This is to inform you of my opposition to the This is to inform you of Marie of Haroisis.

57ARS program on the treat of Kevies, state of Haroisis.

My reasons you have heart before from many cakes my reasons you have heart before from many cakes my reasons you have heart before from many cakes of leaves let us all guit using fear, a regative energy and promote the paintine in our world for the sake of all living things.

My altha and prayers are with you all in this decision.

WR61

### KATE HARRINGTON SHEA AND ASSOCIATES

1

April 1, 1992

U.S. Army Strategic Defence Command P.O. Box 1500 Huntsville, ALABAMA 35807-3801

Attn: CSSD-EN-V (C D.R. Gallien)

To Whom It May Concern,

I am writing to state that I am against "Star Wars" activity on Kauai, Hawaii.

Thank you.

Sincepely,

P.O. Box 224 Princeville, HI 96722

8981/2 S. Lucerne Blvd. • Los Angeles, California 90005 • (218) 989-0704

WR62

P.O. Box 1172 Hanalei Hawaii 96714

April 3, 1992

Mr. Randy Gallien Lt. Col. Gus Manguso U.S. Army Strategic Defense Command P.O. Box 1500 Huntsville, Alabama 35807-3801

Aloha, Gentlemen:

Enclosed please find some comments I submit regarding your STARS/EDX missile program proposed for Kauai. These responses are mine individually, and not those of Sierra Club.

Under separate cover, and (probably moments) prior to your April 13, 1992 response deadline, Sierra Club's official comments will be delivered.

Working with you in the past has been a pleasure; I hope the same will hold true for the future.

Kind regards,

Sozanne Marine Hi

WR62 (cont.)

1

March 26, 1992

(en)treaty

emptiness engulfed me as i woke to face this day like i had known it would. what i couldn't have guessed was its vastness or its coldness. it is grey, i couldn't think, couldn't feel, couldn't find my way. all was gone except for emptiness.

eons passed.
morning waited.
birds somehow remembered to sing.
finally the raining came, so softly.

(i stare at my pen and consider: could i live without this thing? i think perhaps it couldn't be done.)

even with my pen in hand i remain benumbed.
what will it say, what can it let me bring to you?
how can we reach the memory?
which pictures will you never see?
how long will this be, how long?
how long must we do this thing?

i see a wall.
it separates me from the future
maybe only for today, but i'm glad to see it anyway.
beyond lies resolution of this conflict we've engaged.
i do not want that resolution yet today.
i cannot see a way for us to get there without pain.

(1)

if i prevail and stop your launches,
what happens to your family life?
must we fear for your careers, your certainty or mine that
 what we do is right?
will our actions bring more harm than what's already done?
 i pray to god it won't be so.
 please know, please know, i do not want to hurt you
 any one.

or might you send your rockets with me imprisoned in a cell, the freedom that i love most dearly lost inside your victory?

i pray again that this won't be.

each answer is as possible as all the other ones, but every one i see today involves more pain along the way.

i close my eyes and try to let the visions go.
the wall and my pen must protect me; there's no need now
to know.
eons pass but mourning will remain.

my tears relent and begin to flow with the answering downpouring rain.

(2)

WRE

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Star program is not healthy for line's

number one industry: towning. He we willing to society our economy (78% break

on towning) to do there testo? I am not!

One can hardly hely on the army

to do their own E15 and he centrice.

The remets are not to be annihiled

valid.

Name Comi Clause

Address 1.0- Box 1200 Colotes
Street Koldress

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My marrie is Debrah Forester, I am a concerned resident of:

Kayar. I came here because of its ware beauty and to do my

lipes work. I have been tenching children for 14 yrs, and

I have a masters' degree in Education, and am a mother.

I chose this field of work because I love and care about

people. I see the difficulties which our present way of life

presents to our children and A am concerned that They

be given an equal Chance to live Their lives on This

planet, just as we and our ancesters have.

When A received The EIS in the mail A was disappointed

to find the lack, of social is humanitarian, implications. It

seems to always be The case, that when Governments imp.

whilitary weighs Things out - it's always human lines That

Name Debrah Forester

Address P.O. Box 867 Kilausa HI 96754

Gry/Sate/ZapCode

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR64 (cont.)

lose out. I'd like to ask, "Were The Marshelless ever considered when The US Military decided to put a missile range on Their precious atall of twa-jalein or was The strategic location of their islands more important?"

Did The US government ever consider The Kanaka Mae Ole when they overthrew their government or was it business interests which prevailed?

So would like to ask you now to look inside your souls, turn your gaze inward. Try to set your own personal motives aside. If you believe in bod, listen to him now. Pray, in the silence of your own souls, ask yourself, its the decision to allow the U.S. governments' military to fire off these dangerous war machines from our island home-land really necessary? Who are our enemies? As Russia a threat? As Red China a Threat? As Star Wars really an effective way to protect ourselves Did the U.S. government ever consider the Native Americans on the

2-49

mainland, when They took over their lands and confined Them to The barren reservations? Then, as if That wasn't had enough, when They discovered wranium under Their soil on The "4 Corners" reservation, more specifically... Big Monntain, it's called; (the Hopi i Navajo reservation), They took legal action (mostly illegal) to get most of the mineral rights back from Them, The injustices That the investigations uncovered against our own Native americans were deplorable.

my friends, it saddens me greatly everytime & study and research the Thjustices committed against human kind. Who is The culprit! Who were out? Over and over again, Throughout all J history, the culprit is the same; Greed, Power, and The Treed-to-contrate of think its important here that we, as conscious human beings, open our eyes and honestly come to terms with The grave danger that STARS

WR64 (cont.)

proposes. We are making history here tonight, by being allowed to speak here at This Hearing! Sta time to stop pretending That accidents can't or won't Tappen to us. If we were all adolescents here making This decision, A could understand This predominant feeling or attitude of OMNIPOTENCE, But we are mative adults here. accidents do happen Pemember The Challenger? I am from Pennsylvania. I lived There when 3 mile Island melted You Know what? Sto Still melting down. They aren't able to stop it! Ist' all hold, hush, of course. People don't bother to protest it - There's nothing we can do to stop it. They re Trying to Keep it cool enough until it then tually expends itself. as matrix adults we are suppose to be taking response belity for the results or implications of our decisions, Cor are we merely like children playing with rozor blades?)

If we stand by and witness The implementation of This out-dated, unnecessary, and money-making scheme, otherwise known as "STARS" here on This island, Than we are just as guilty as Those who have concocked This scheme. Think about This when a rocket mistures and children and adults are Halled ... Think about This when a tanker truck full of hydrazine ( The fuel They plan to use) spills on our only road to The west-side - and The land is ruined, and people must be evacuated. No trivits will be allowed through to see our Wai mea Canyon or Kokee State Park, etc. The Sugar Cane & Macademia Nuts would doubtfully survive The poison, let alone The residents. Please, A ask you, do not allow yourselves to be duped into believing that we need This for our National Security, Please, do not be duped into

WR64 (cont.)

believing That we need it for lanomic Neasons Have faith - better jobs Can be created for those of you who face possible lay-off, do not be duped into believing that you can't do any thing to Stop This, you can't can we can, and we must have faith that we can right a wrong. This is our opportunity, Let's use it. This is over opportunity, Let's use it. This is one of the most bush and dramatic landscapes in the entire world. People spend years saving up enough money to vacation here for Tord whs.

Nature, to me, is the art of God. This land is truely an expression of

Nature, to me, is the art of God.
This land is truely an expression of God's love. A know I am not alone when I say, This land nowishes my soul. A say, This land nowishes my soul. Ats' spirit files me with The warmth of aloha!" It DESERVES OUR PROTECTION.
Just as WE DESERVE OUR NATIONS PROTECTION.
Please, I ask you, reconsider. Do not further damage these lands. Havent we done living damage already? It's time to be helpful, not harmful.

Sincerely, Deborah Fortstor

WR65

HR. CHAIRMAN

NATIVE KANAKA MAOLI PEOPLE OF NA MAOKU PUNI CALLED HAWAII

#### MY PRAYER

I PRAY THAT THE SPIRIT OF THE LORD MAY BE WITH ME THAT WHATEVER I PRESENT MAY BE PLEASING TO HIM AND BENEFICIAL TO ALL THE PEOPLE OF THE WORLD, AMEN

**HARCH 24, 1992** 

TO THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH

TO THE UNITED STATES SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN, JR.

AND TO THE UNITED STATES ARMY STRATEGIC DEFENSE COMMAND

WHERE AS BECAUSE OF GOVERNMENT ACTIVITIES WHICH ARE BEING PLANNED AT BONHAM AIR BASE, CONCERNING THE STRATEGIC TARGET SYSTEM AN ITS ENVIRONMENTAL IMPACT ON THE ISLAND OF NA MOKUPUNI CALLED KAUAI IN THE DISTRICT OF PAPAENAENA OF THE AMUPUAA OF KIKIAOLA

AND BECAUSE OF THE PROBLEMS OUR NATIVE KANAKA HAOLI PEOPLE ARE HAVING TODAY WITH THE STATE OF HAWAII AND THE UNITED STATES OF AMERICA, WITH A POSSIBILITY OF LOSING ALL OUR NATIVE KANAKA HAOLI ASSETS NAMELY LANDS AND WATER RESOURCES AND SO FORTH.

#### WR65 (cont.)

AND WHERE AS THE REMARKS OF PRESIDENT GEORGE BUSH OF THE UNITED STATES

OF AMERICA, CONCERNING THE NATIVE PEOPLE OF THESE ISLANDS CALLED

HAWAII, IN REGARDS TO THE TRUST RESPONSIBILITY OF THE NATIVE KANAKA

MAOLI PEOPLE OF WHICH HE SAYS THE UNITED STATES HAS NO OBLIGATION--

WHEREFORE, TITLE 48, UNITED STATES CODE S661 WHICH DEALS WITH THE MAMAGEMENT AND DISPOSITIONS OF PUBLIC LANDS WHICH STATES IN PERTINENT PARTS:

THE LAWS OF THE UNITED STATES EXISTING ON JULY 7, 1898, RELATIVE TO PUBLIC LANDS SHALL NOT APPLY TO SUCH LANDS IN THE HAWAIIAN ISLANDS, BUT CONGRESS SHALL ENACT SPECIAL LAWS FOR THEIR MANAGEMENT AND DISPOSITION, PROVIDED, THAT ALL REVENUE FROM OR PROCEEDS OF THE SAME SHALL BE USED SOLELY FOR THE BENEFIT OF THE INHABITANTS OF THE HAWAIIAN ISLANDS.

THEREFORE, LOOKING INTO THE DEFINITION OF THE TERM INHABITANTS AND KEEPING IN HIND THAT THE YEAR WAS 1898 THE INHABITANTS WERE REFERING TO THE MATIVE KANAKA MAOLI PEOPLE OF THE LANDS.

THE UNITED STATES HELD THE PUBLIC LANDS WHICH HAS BEEN DEFINED IN THE ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE.

"THAT A TRUST IS A RIGHT OF PROPERTY REAL OR PERSONAL HELD BY ONE PARTY FOR THE BENEFIT OF ANOTHER" 3 BOUVIER'S 3328

THE UNITED STATES CLAIMED NO OWNERSHIP TO SAID PUBLIC LANDS, BUT RATHER HOLDERS IN TRUST AS PURSUANT TO TITLE 48, UNITED STATES CODE. THEREBY MAKING THE UNITED STATES THE TRUSTEE'S WITH A FIDUCIARY DUTY TO UPHOLD THE RIGHTS OF THE BENEFICIARIES, WE THE NATIVE KANAKA MAOLI PEOPLE.

FURTHER MORE PURSUANT TO BOUVIER'S LAW DICTIONARY 1914 EDITION PAGE 1426, HAWAII IS DEFINED AS FOLLOWS, IN PERTINENT PARTS.

"A REPUBLIC WAS PROCLAIMED AND A NEW CONSTITUTION PROMULIGATED JULY 4, 1894 BY THIS CONSTITUTION THE PRESIDENT OF THE REPUBLIC WAS EMPOWERED TO "MAKE A TREATY OF POLITICAL OR COMMERCIAL UNION WITH THE UNITED STATES."

KA WANA NA KOA VS. POLY BLANK 205 U.S. 354, 27 SUP. C.T. 526 51 L. ED.

PLEASE TAKE NOTICE, THAT HAWAII WAS ANNEXED ONLY THROUGH POLITICAL OR COMMERCIAL UNION AN NOT AN OVERTHROW OF THE LAND OWNERSHIP OR ITS PEOPLE, UPON ADMISSION OF HAWAII INTO THE UNION THE UNITED STATES DID NOT PASS OWNERSHP OF THE PUBLIC LANDS IT CONVEYED TO THE STATE OF HAWAII BUT RATHER PASSED ON THE TRUST RESPONSIBILITY OT THE STATE OF HAWAII, AS PURSUANT TO THE HAWAII ADMISSION'S ACT 1959 IN PERTINENT PART.

THE LANDS GRANTED TO THE STATE OF HAWAII BY THE UNITED STATES TOGETHER
WITH THE PROCEEDS FROM THE SALE OF OTHER DISPOSITIONS OF ANY SUCH
LANDS AND INCOME THERE FROM SHALL BE HELD BY SAID STATE AS A PUBLIC
TRUST FOR THE BETTERMENT OF THE CONDITIONS OF NATIVE HAWAIIANS AND
THERE USE FOR ANY OTHER OBJECT SHALL CONSTITUTE A BREACH OF TRUST FOR

#### **WR6**5 (cont.)

WHICH SUIT MAY BE BROUGHT BY THE UNITED STATES.

#### THE BIG OUESTION

IS THE BONHAM AIR BASE A PART OF THE PUBLIC LANDS HELD BY THE UNITED STATES AND DEFINED IN THE ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR THE BENEFIT OFTHE HAWAIIAN PEOPLE.

#### THESE LANDS

GOV. EX ORDER 945 PART - 1 903.00 AC
GOV. EX ORDER 945 PART - 2 473.52 AC
GOV. EX ORDER 887 548.57 AC
TRACT E-1 69.562 AC
PRES. PROC. NO 827 16.2484 AC

A TOTAL OF OVER 2,000 AC AND YES PAYMENT PER YEAR IS \$1.00 FOR ALL "OR" ARE THESE LANDS AT BONHAM AIR BASE THE PRIVATE OR SOVEREIGN LANDS DEEDED TO A NATIVE KANAKA MAOLI CHIEF NAME AU PUNI IN THE GREAT MAHELE OF 1848, THE FIRST DIVISION OF JANUARY 27, 1848 INTHE SECOND PALAPALA OR DEED.

TO ANSWER THESE QUESTION AN OVERVIEW OF THE GREAT MAHELE OF JANUARY

27, 1848, ENDORSE BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS

VICTORIA KAMAMALU BY HER GUARDIAN MATAIO KEKUANAOA AND IOANE II, TAKEN
FROM THE BIG BOOK THE GREAT MAHELE OF 1848 BY JON J. CHINEN.

AN OVERVIEW

OF

THE GREAT MAHELE OF 1848
PALAPALA AINA--LAND DEED

KING KAMEHAMEHA III, WAS DEEPLY CONCERNED OVER THE HOSTILE ACTIVITIES OF THE FOREIGNERS IN THE ISLANDS AND DID NOT WANT THIS KINGDOM TO BE CONSIDERED "PUBLIC DOMAIN," AND THERE BY SUBJECT TO CONFISCATION BY A "FOREIGN POWER" IN THE EVENT OF A CONQUEST.

THEREFORE KING KAMEHAHEHA III, SET FORTH THE GREAT DIVISION OF LANDS
INTO TWO (2) DISTINCT PARTS, IN THE BEST INTEREST OF THE NATIVE KANAKA
MAOLI PEOPLE, WHOWERE THE SOVEREIGN OF THE ISLANDS OF NA MOKU PUNI
CALLED HAWAII.

BECAUSE OF THE LACK OF SURVEYORS IN THE ISLANDS DURING THIS ERA THE MAHELE OR LAND DIVISION WERE ACCORDING TO THEIR ANCIENT NAMES AND LAND MARK BOUNDARIES AND WERE EITHER A MOKU (AN ISLAND) OR AHUPUAA, OR ILI AINA.

THE FIRST PALAPALA OR DEED TAKEN FROM THE MAHELE BOOK OF 1848

THE FIRST PALAPALA OR DEED

(BELONGING TO KAMEHAMEHA III)

(TRANSLATION - KANAKA MAOLI TO ENGLISH)

(E IKE AUANEI NA KANAKA A PAU)

I RECOGNIZE PRESENTLY THIS KANAKA RACE OF PEOPLE ENTIRELY
(MA KEIA PALAPALA)

#### WR65 (cont.)

IN BEHALF OF THIS DOCUMENT

(OWAU O KAMEHAMEHA III NO KA LOKO MAIKAI O KE AKUA KE ALII O KO HAWAII

I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT OUR LEADER OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS.

HOOKWAWATE WAN TOW WKN. MAKEWAKE WWOFI NO W I W HOOFIFO W WE KW

TO PRESERVE TO GIVE IN THIS ERA AS AFOREMENTIONED BY MY FREE WILL INDEED, FOR MY OWN YES MY OWN TO PASS INTO POSSESSION AS MY OWN AND TO BE DIVIDED FOREVER THIS AMOUNT

(I NA ALII A ME NA KANAKA KANUI O KO'U AINA ALII E PONO)

FOR THIS CHIEF TO GET AS HIS OWN AND BELONGING TO THIS NATIVE KANAKA

MAOLI RULER OF THIS LANDS CHIEF OF GOODNESS.

(AT A E PO MAIKAI AI KE AU PUNI HAWAII)

TO CONTROL TO GET FOR MY PROSPERITY FOR MY KINGDOM OF HAWAII

(NO LAILA MA KEIA PALAPALA KE HOOKOE NEI AU)

THEREFORE IN BEHALF OF THIS DOCUMENT OURS TO SAVE IN THIS ERA.

(NO'U IHO A NO KO'U POE HOOILINA A ME POE HOPE A MAULOA AKU NEI AINA)

FOR MY DESCENT AS YOUR OWN BELONGING TO YOU PEOPLE "HEIRS" AS YOUR OWN MY PEOPLE SUCCESSORS AS YOUR OWN FOREVER THIS DEFINITE AMOUNT IN THIS

ISLANDS.

(OU I KA KA UIA MA NA AOAO)

MINE AS THIS WRITTEN WILL SUBMITTED IN BEHALF OF THIS OPTION OF THE TWO PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220, AND 222.

(O KEIA PUKE)

AGREEMENT WRITTEN IN THIS BOOK.

"E ike auanei na kanaka a pau ma keia patapata, owau o KAMEHAMEHA III, no ka lokomaikai i ke Akua, Ke Alii o ko Hawaii no Pae Aina, ua haawi au i keia la no ko'u makemake maoti no, a e a hootito a me ka hookahi wale mau loa aku i na Alii a me na kanaka ka nui o ko'u aina Alii, e pono ai a e pomaikai ai ke Aupuni Hawaii, notaita, ma keia patapata, ke hookoe nei au no'u iho a no ko'u poe hooitina a me ko'u poe hope a mau loa aku nei aina o'u i kakauia ma na aoao 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 232, 214, 216, 218, 220, 222, o keia Buke

	KO KAMEHAMEHA ITI	•	
(178)			
3 ONOULI		KONA	'IAWAH
4 HONOMALINO		KONA	1AWAB
1 PUUWAAWAA		KONA	HVMVI.
2 HALEONIU		KONA	HAWAI'
(182)			
5 PUAAMAENA	ΛΗΟΡΊΛΑ	KONA	HAWAI'
6 WAIOHINU	AUUPUAA	KAU	IAWAI'
II KAPAPALA	AHUPUAA	KAU	IVMVI,
(184)			
10 KAIMU		PUNA	PAWAI
7 APUA		PUNA	11 AWA 11
II WATAKOLEA	ILI no KALAPANA	Nuna	IVMVI.
(186)			•
13 WAIAKEA	AHUPUAA	HILO	UVMVI,
12 OLAA	VHALANV	PUNA	II AWA I
14 PONAHAWAI	AHUPUAA	HILO	HAWAI'
15 PITHONUA 16 HUMUULA	ለዘሀዋሀለለ ለዘሀዋሀለለ	HILO	I AWAH
(190)			
20 KAOHIA	ILI no WAIPIO	намакил	HAWA I '
21 POHAKUMAULUULU	IZI no WAITIO	HAMAKUA	II AWA I
22 MULIWAI	ULT NO WAIPIO	HAMAKUA	IIAWAT '
19 LALAKEA	Olylaw on LJI	HAMAKUA	HAWAI 1
24 WAIPIO	AHUPUAA	HAMAKUA	IAWAI'
23 WAIMANU	AHUPUAA	HAMAKUA	IAWAII'
18 HONOKAIA	ANUPUAA	HAMAKUA	HVMVI
17 KALOPA	AHUPUAA	ΠΑΜΛΚΟΛ	HVMVI,
(194)			
29 KANOHOHO	AHUPUAA	KOHALA	HAWAT
27 AAMAKAO	AHUPUAA	KOHALA	11 AWAB
28 IOLE 25 POLOLU	AHUPUAA	KOHALA	HVMVI,
26 KAPUNA	AHUPUAA AHUPUAA	KOHALA	NVMVI,
31 WAIMEA	AHUPUAA	KOHALA	HAWAI '
32 PUUKAPU I WAIMEA	AHUPUAA	KOHALA	HAWA I '
30 KAWATHAE	KOMOHANA	KOHALA	HAWAT'

		KO KAMEHAMEHA III		
(20	0)			
	ALAMINI	AUUPUAA	LAHAINA	IUAM
	KUNUA 1	AHUPUAA	Lahaina	MAUI
-	MALA	AHUPUAA	LAHAINA	MAUI
	POLAPOLA	AHOPUAA	LAHAINA	IUAM
	PAEOUI MAI KEKAUONOHI OPAEULA	mai aka no KEOHOKALOLE AHUPUAA	aoao 10, G.P.	IDAM
-	ILIKAHI	ANUPUAA	LAHAINA	MAUI
	WAIANAE	AHUPUAA	LAHAINA	LUAN
	KUNOLILEA Hiki	AHUPUAA	LAHAINA	IUAM
	KAUAULA	VRIGITIES	LAHATNA	IUAM
17	OLOWALU	ARUPUAA	LAHAINA	MAUI
$13 \exists$	UKUMEHAME	AHUPUAA	KAHOOLAWE no	AUPUNI
10	AWEONEO	ILI no UKUMEHAME	KAHOOLAWE	IUAM
	PUENDENU	AHUPUAA	KAHOOLAWE	IUAM
		oi ia G.CAAUICE. S.P.K.	•	IUAM
	WAINCE .	AUDLAVA		MAUI
	GAPAKEA	ARUPUAA		MAUI
	WAINEE 2	AHUPUAA		IUAM
	KUHUA	AHUPUAA	*****	IUAM
	KEOKEA	AUUPUAA	KULA	MAUI
	KEALAHOU L KEALAHOU 2	AUUPUAA.	KULA	MAUI
(20				
-	WAILUA	ILI	HANA	MAUI
	MAIOHONU	VIIOLOVV	HANA	IUAM
	KEANAE	AHUPUAA	KOOLAU	LUVW
	WAILUA 1	AHUPUAA	KOOLAU	NAUI
	WAILUA 2	AHUPUAA	KOOLAU	IUAM
29 (	WAILUKU Koe Aoao Akau		PUALI Kom.	1 UAM
	na ili i na Konohiki			
	POLIPOLI	VIIAbnyy	NAPOKO	MAUI
	KAHAKULOA		KAHAKULOA	MAUI
	MAIOKILA	ILI no KAHAKULOA	KAANAPALI	MAUI
-	IONOKOWYI		KAANAPALI	IUAM IUAM
	NAPILI 1			MAUI
	NAPILI 2 POLUA		KAANAPALI	MAUI
	NIOA		KKKRKPKGI	MAUI
(20				
				HO! 05.2
	JALAPUE	ANUPUAA		MOLOKA:
		AHUPUAA		MOLOKA:
19 K	CALAMAULA	VIIILAVV		MOLOKA

65 (cont.)			
	KO KAMEHAMEHA ITI		
(210)			•
KAHOOKANE	ILI no HONOLULU	KONA	OANO
9 KAWAIKI	ILI no HONOLULU	KONA .	UNAO
15 KAHEHUNA	ILI no HONOLULU	KONA	OVIIO
8 KYMVIKI	ILI no HONOLULU	KONA	OVIIO
12 KAWANANAKOA	ILI no HONOLULU	KONA	OVIIO
13 KUKANAKA	ILI no HONOLULU	KONA	OVIIO
10 AUWAIOLIMU	ILI no HONOLULU	KONA	OIIAO
11 KAPALOA 12 LUAKAHA	ILI no MONOLULU	KONA KONA	ONBU
12 LUAKAHA 9 HAUHAUKOI	IEI no nononou	KONA	ONHU
) INGINGROI	121 110 110000000	KONN	
(212)			
34 MVIOWVO	ILI no WAIKIKI	KONA	OVIII
31 HAMAMA	ILI no WAIKIKI	KONA	OVIIO
27 PUAHIA	ILI no ₩∆IKIKI	KONA	OVIIO
36 'WAILUPE	ILI no WAIKIKI	KONA	OVIIO
26 MOOKAHI 2	ILI no WAIKIKI	KONA	OVHO
28 PILIAMOO 25 KALOIKI	ILI no WAIKIKI	KONV	UIIAQ UIIAQ
25 KALOIKI 19 hmaulukikepa	ILI no WAIKIKI ILI no WAIKIKI	KONA KONA	UHAO
20 PUKELE	ILI no WAIKIKI	KONA	ONIIU
21 KAHAUMAKAAWE	ILI no WAIKIKI	KONA	OVIIO
33 KAHALAULUAHINE	ILI no WAIKIKI	KONA	UILAO
35 KANELOA	ILI no WAIKIKI	KONA	OAHU
32 POLOKE	ILI no WAIKIKI	KONA	OVIIO
24 MOOKAHI	ILI no WAIKIKI	KONA	OVIIO
18 PAWAA LOI	ILI no WAIKIKI	коил	OVIIO
23 HALELINA	ILI no WAIKIKI	KONA	ONIIO
SO KANLAWAI LOI	ILI no WAIKIKI	KONA	UIIAO
3 ¼KVNKVIIOKO 3 ¼KVNOOKVIII	ILI no KAPALAMA ILI no KAPALAMA	KONA KONA	UIIVO
KUMUPALI	ILI no KAPALAMA	KONA	ONIO
4 SNAUWALA	ILI no KAPALAMA	KONA	ONIIU
5 SPAEPAEALII	ILI no KAPALAMA	KONA	OAHU
KANAUIKI a pau	AHUPUAA	конл	ONHU
(214)			
SS AIEA	VILLENTA	EWA	OAHU
53 HONOKOWAILANI	ILI no WAIAU	EMV	ONIIU
54 KAUNTHAU	ILI no WAIAU	EMV	OVIIU
ΑΝΛΝΛ	AHUPUAA	EWA	ONIU
32 WELOKA	ILI no WAIMANO		OAHU
59 WAIKAKALAUA	ILI no WATKELE		OAHU
50 PAPAA 51 %POUHALA			OVIIO
or Moonwan			

#### KO KAMEHAMEHA III

				,
(216)				
59758	WATANAE	ARUPUAA	WATANAE	ULIAO
	we na Alio			
56/57	PUPUKEA	AHUPUAA	KOOLAULOA	DHAO
55	WAIALEE	Λαυτυλλ	KOOLAULOA	OVRO
54	KAWELA	ΛΗΟΡΌΑΛ	KOOLAULOA	OVHO
Stj	PAUMALU	ΑΗυΡυΑΛ	KOOLAULOA	ONIIU
53	KAHUKU	AHUPUAA	KOOLAULOA	OVHO
5.2	HVAAPY	AHUPUAA	KOOLAULOA	OVIIO
(218)		•		
50	KUALOA I	AHUPUAA	коогупьоко	OAHU
51	KUALOA 2	AHUPUAA	KOOLAUPOKO	OAHU
48	MAKAWAI	ILI no WAIOHOLE	KOOLAUPOKO	OAHU
49	HOPEKEA	ILI no WAIGHOLE	KOOLAUPOKO	OVIIO
47	MALUAKA	ILI no WAIREE	KOOLAUPOKO	OAHU
46	KAHALUU	AHUPUAA	коогупьоко	UHAO
(220)				
42	WAIKALUA	ILI no KANEOHE	коопипьоко	OAHU
-13	KEAAHALA	ILI no KANEORE	KOOLAUPOKO	OAHU
39	KALUAPUHI	ILI no KANEOHE	KOOLAUPOKO	OAHU
45	KANOHOHULUTWI	ILI no KANEOHE	KOOLAUPOKO	OAHU
40	HALEKOU	ILI no KANEOHE	KOOLAUPÕKO	OVHO
41	κυου	ILI no KANEOUE	KOOLAUPOKO	OVIIO
44	KAHALEKAUWILA	ILI no KANEOHE	KOOLAUPOKO	OAHU
381	KAWAILOA	ILI no KAILUA	кооцаироко	OVIIO
17	WAI MANALO	- АНИРИАА	KOOTYUUOKO	OMIO
(222)				
3	WAIMEA	ΛΗΨΡΩΑΛ	KONA	KAUAI
2	HANAPEPE	ΛΗΟΡΌΛΛ	KONA	KAUAI
1	KALAHEO	ΛΗΨΡΟΛΑ	KONA	KVAVI
7	WA LLUA	ARUPUAA -	PUNA	KAUAI
Ġ	KAPAA	ΛΗΟΡΌΛΛ	PUNA	KAUAI
5	ANAHOLA	ΑΠΟΡΟΑΑ	KOOLAU	KAUAT
4	HANALEI	AHUPUAA	HATEPEY	KAUAT

#### WR65 (cont.)

#### KO KAHEHAMEHA III(OVERVIEW)

WHERE AS FROM THIS PALAPALA OR DOCUMENT OR "DEED" THE FIRST INSTRUMENT OF THE GREAT MAHELE OF JANUARY 27, 1848 BY KING KAMEHAMEHA III BY HIS OWN FREE WILL HUMBLY AGREES TO THIS DIVISION OF LANDS AND THIS DIVISION WAS TO BE FOREVER, ONLY THIS AMOUNT, FOR HIM TO CONTROL FOR HIMSELF, FOR HIS KINGDOM THE KINGDOM OF HAWAII AND FOR HIS DESCENDENT HIS HEIRS AND SUCCESSORS, THIS AGREEMENT OF ALL THESE LANDS WRITTEN ON THESE PAGES 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220 AND 222 IN THE MAHELE BOOK PALAPALA AINA OF 1848.

SO WE HAVE IT WRITTEN AND DOCUMENTED AS A "DEED" BY KING KAMEHAMEHA

- 1- TO HIMSELF HIS CROWN LANDS
- 2 TO HIS KINGDOM THE KINGDOM OF HAWAII
- 3 TO HIS HEIRS HIS FAMILY BY GENEALOGY
- 4 TO HIS SUCCESSORS HIS FAMILIES, FAMILY LANDS BY GENEALOGY

AND THEREFORE BY THIS PALAPALA OR DOCUMENT THE FIRST INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848.

KING KAMEHAMEHA III DECLARED HIS SHARE OF LANDS OF THE ISLANDS OF NA MOKU PUNI CALLED HAWAII AND BY THIS PALAPALA "ALL THAT HE TOOK, WAS ALL THAT HE GOT".

YES ONLY THE LAND SET ASIDE HERE BY KING KAMEHAMEHA III IS HIS KINGDON AND/OR CROWN LANDS ALSO FOR HIS HEIRS AND SUCCESSORS.

THE KINGDOM AND/OR CROWN LAND OF HAWAII THAT WERE DEFINED IN THE

ORGANIC ACT OF 1900 IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE ARE HERE ALSO.

PAGE 222 OF THE MAHELE BOOK LANDS OF KAUAI DEEDED TO KING KAMEHAMEHA

HANAPEPE - WAILUA- ANAHOLA

KALAHEO - KAPAA

WAIMEA & HANALEI ARE QUESTION MARK?

HANALEI IS NOT AN ANCIENT PLACE, WAIOLI IS ANCIENT HANALEI IS PART OF WAIOLI.

WAIHEA-IS NOT LAND, WAIHEA IS CLEAN DRINKING WATER FOR THE SHIPS

(WAIHEA IS A SPRING WATER) IN THE AHUPUAA OF MAKAWELI AT KAUNULOA

LANDING

NO KE AU PUNI

THE GREAT MAHELE

OF

**JANUARY 27, 1848** 

BELONGING DEFINITELY TO AU PUNI

TRANSLATION KANAKA HAOLI TO ENGLISH THE SECOND PALAPALA OR INSTRUMENT OR DEED

IN THIS DIVISION, KING KAMEHAMEHA III, SIGNED AND SEALED THE FOLLOWING DOCUMENTS WHICH WERE TAKEN RIGHT FROM THE MAHELE BOOK, WRITTEN IN KANAKA MAOLI LANGUAGE THIS TRANSLATION IS TO ENGLISH BY A NATIVE KANAKA MAOLI CHIEF PUNI OF THIS ERA OR AU PUNI BY GENEALOGY

(E IKE OUKOU E NA KANAKA A PAÙ MA KEIA PALAPALA)

I RECOGNIZE YOU BY THIS KANAKA HAOLI PEOPLE ENTIRELY AND BY THIS

DOCUMENT

#### WR65 (cont.)

(O WAU O KAMEHAMEHA III NO KA LOKO MAI KAI O KE AKUA KE ALII O KO

I HUMBLY AGREE I KAMEHAMEHA III BELONGINGTO THIS GOODWILL AGREEMENT OUR LEADER, OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS

(KE HAAWI AKU NEI AU HE KA HOOLILO A ME KA HOOKAAWALE MAULOA)

A DEFINITE AMOUNT TO GIVE AWAY IN THIS ERA, TO APSS IN TO POSSESSION

TO GET AS HIS OWN AND TO BE DIVIDED FOREVER.

(AKU NO NA ALII, A ME NA KANAKA O KO'U AU PUNI)

THIS DEFINITE AMOUNT BELONGING TO THIS CHIEF, AND YES THIS PERSON NAME AU PUNI

(A LILO KOU KULEANA A PAU)

TO GET AS HIS OWN POSSESSION THIS PORTIONS OF LANDS ENTIRELY

(A ME KOU LIHI A ME KO'U WAIWAI A PAU ILOKO)

HIS OWN THESE BOUNDARIES OF LANDS, HIS OWN THESE ASSETS, POSSESSION, ESTATES, PROPERTY, WATER, GOODS, FINANCIAL BENEFITS, WEALTH, WORTH,

RICHES, COSTLY VALUE, VALUABLES, USEFUL VALUBLES, INPORTANCE.

ENTIRELY ALL THE INTERIOR OF THE LANDS ALSO.

(O NA AINA EIA NO MA KO HAWAII PAE MOKU)

THIS AGREEMENT BELONGING TO THIS LANDS, YOU ARE NOTIFIED FOR IN BEHALF OF THIS GROUP OF ISLANDS.

(UA KA KA UIA MA NA AOAO)

TO PRESERVE THIS WRITTEN REPORT SUBMITTED IN BEHALF OF THIS OPTION OFTHE 2 PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES OF THE MAHELE BOOK STARTING AT PAGE 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, AND 225

O KEIA PUKE

AGREEMENT WRITTEN IN THIS BOOK

In this division, KING KAMEHAMEHA III, signed and sealed the following document, which was taken right from the MAHBLE BOOK:

TE ike oukou e na kanaka apau ma keia palapala. O wau o KAMEHAMEHA III, no ka lokomaikai o Ke Akua Ke Alii o ko Hawaii nei Pae Aina, ke haawi aku nei au me ka hoolilo a me ka hookaawale mau loa aku no na Alii a me na kanaka o ko'u Aupuni, a lilo ko'u kuleana a pau a me ko'u lihi a me ko'u waiwai apau iloko o na aina, eia no ma ko Hawaii Pae Moku, ua kakauia ma na aoao 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, and 225, o keia Buke,

#### WR65 (cont.)

## KO KE AUPUNI

INOA O NA AINA	AHUPUAA	<u>KALANA</u>	MOKUPUNI
2 PAHOEHOE 1,2	. 11	KONA	I'IAWAH
MAUNALEI	Mea ole "	KONA	I'IAWAH
2 MAKUU 1,2	**	KONA	HAWAI'I
7 MAUNAOUI 1,2	,3,4,5,6,7 "	KONA	HAWAI'I
HALEILI	14	KONA	HAWAI'I
2 OPIHIHALI 1,2	•	KONA	HAWAI'I
1 KIPAHOEHQE 1	10	KONA	HAWAI'I
ANAPUKA	19	KONA	HAWAI'I
HOOPULOA	**	KONA	HAWAI'I
KEOPUKA	**	KONA	HAWAI'I
KAHANAHAIKI	aole aina ASA KAEO	KONA	. HAWAI'I
2 HOKUKANO 1,2	**	KONA	HAWAI'I
AUHAUKEAE	н	KONA	HAWAI'I
KEEKEE 2	н	KONA	HAWAI'I
LEHUULA IKI	19	KONA	HAWAI'I
KAAWALOA	Awa a me Kahi honua i ka	i KONA	HAWAI'I
KEALAKEKUA	Awa a me kahi honua i ka	LI KONA	HAWAI'I
KEEKEE 1	•	KONA	HAWAI'I
2 KANAUEUE 1,2	N	KONA	HAWAI'I
OOMA 1	n	KONA	I'IAWAH
PUAA HEMA		KONA	HAWAI'I
PAHOEHOE O KEOUA		KONA	HAWAI'I
MAUNAOUI	н	KONA	HAWAI'I
WAIEA		KONA	HAWAI'I
AWALUA	. н	KONA	HAWAI'I
HIANALOLI	4)	KONA	HAWAI'I
KILOAIKI	н	KONA	I'IAWAH
KAUHAKO		KONA	HAWAI'Î
KANAKAU	N	KONA	I'IAWAH
MANINIOWALI	н	KONA	HAWAI'I
кого	16	KONA	HAWAI'I
ELEPA10	ILI NO HONOKOHAU 2	KONA	HAWAI'I

#### NO KE AUPUNI (179/181)

ANIA AN O AO	AHUPUAA	<u>KALANA</u>	MOKUPUNI
KAIKO	ILI I KONA	KONA	I'IAWAH
MAHAIULA	н	KONA	I'IAWAH
MILOLII		KONA	HAWAI'I
омокла	4	KONA	HAWAI'I
кіраноеное	ч	KONA	HAWAI'I
KUAMOO	п	KONA	HAWAI'I
KALUKALU	<b>"</b>	KONA	I'IAWAH
2 OKOA 1,2	n	KONA	I'IAWAH
LANIHAU 2		KONA	I'IAWAH
MAIHI		KONA	HAWAI'I.
KAHULUI	w w	KONA	I'IAWAH
KILOANUI	-	KONA	I'IAWAH
2 PAHOEHOE 1,2	u	KONA	I'IAWAH
ALIKA	Ħ	KONA	l'IAWAH
KUKIO 1		KONA	I'IAWAH
KALAOA	,	KONA	HAWA1'I
LAULA	ILI 2	KONA	I LAWAH
KUKIO	п	KONA	HAWAI'I
HONUAULA	ч	KONA	HAWAI'I
1 OPIHIHALI 1	•	KONA	HAWAI'I
KALAMAWATAWAAWA	•	KONA	HAWAI'I
WAIEA	•	KONA	I'IAWAH
WAIPUNAULAIKI	٩	KONA	HAWAI'I
ALAE	•	KONA	HAWAI'I
OPIHIHALI	•	KONA	I'IAWAH
PAPA	Ħ	KONA	I'IAWAH
MAKAULA	=	KONA	I'IAWAH
PAPALELE	ILI NO HONUAINO NUI	KONA	I'IAWAH
KAOHE	Ħ.	KONA	HAWAI'I
РАНОЕНОЕ	•	KONA	I'IAWAH
λLIKA	u	KONA	HAWAI'I

WR65	(cont.
	/

#### NO KE AUPUNI (181/183)

INOA O NA AINA	AHUPUAA	<u>KALANA</u>	MOKUPUNI
KOHANAIKI	н	KONA	I'IAWAH
KUKIO	и	KONA	HAWAI'I
KOOAI	HOLUALOA 3	KONA	HAWAI'I
KAULEHUA	ILI NO HOLUALOA	KONA	HAWAI'I
WAIPUNAULA	a	KONA	HAWAI'I
KAULANAMAUNA	#	KONA	HAWAI'I
HONALO	**	KONA	HAWAI'I
HONALO	н	KONA	HAWAI'I
KEOPUKA	n	KONA	I'I AWAH
KAPALAALAEA	н	KONA	HAWAI'I
KAUAHIA	ILI I KONA	KONA	HAWAI'I
KALAOA	n	KONA	HAWAI'I
PUUANAHULU	н	KONA	I'IAWAH
ኣ KAULANA	н	KONA	HAWAI'I
KEALAKEHA	n	KONA	HAWAI'I
KAPUAI	ILI NO KALAHIKI	KONA	HAWAI'I
KALAMA 2	н	KONA	I'IAWAH
LAALOA	W	KONA	HAWAI'I
PAHOEHOE	<b>n</b>	KONA	I'IAWAH
KIPU	ILI NO KEEI	KONA	I'IAWAH
OHIKI	e	KONA	HAWAI'I
KAMAKAOLOHE	ILI NO PAHOEHOE	KONA	I'IAWAH
1 OPIHIHALI		KONA	HAWAI'I
KALAOA 3	n	KONA	HAWAI'I
HAUKALUA	n	KONA	I'IAWAH
раноенов	п	KONA	I'IAWAH
LANIHAU	n	KONA	I'I AWAH
OOMA	**	KONA	I'IAWAH
KUKUIOPAE	и	KONA	I'IAWAH
OKOE I KAPALILUA	н	KONA	II I AWAH
KALAOA	, H	KONA	I I I AWAH
KEOLU I KAILUA	н	KONA	HAWAI'I
			<u> </u>

## NO KE AUPUNI

NOA O NA AINA	AHUPUAA	KALANA	WOKUPUNI
KALUKALU		KONA	I'IAWAH
MAKAKA	н	KAU	HAWAI'I
WAILAU	U	KAU	HAWA1'I
KAALAIKI		KAU	I LAWAH
KIOLAKAA	. "	KAU	HAWAI'I
PAPAIKOU	u	KAU	HAWAI'I
NUKAKAIA	*	· KAU	I'IAWAH
MOHOAE	n	KAU	HAWAI'I
HIONAA	19	KAU	HAWAI'I
KAWALA	u	KAU	I IAWAH
MANIENIE	"	KAU	I IAWAH
MANUKA	ч	KAU	HAWAI'I
MAKAKA	Ħ	KAU	HAWAI I
КАНЕА	II	KAU	HAWAI'I
PAPAIKOU	н	KAU	HAWAI I
KEAA	н	KAU	I IAWAH
KAALAALA	11	KAU	I'IAWAH
POUPOUWELA	77	KAU	HAWAI'I
WAILOA		KAU	I'IAWAH
КАНАЕА	19	KAU	HAWAI'I
KIAO	n	KAU	I'IAWAH
2 KEAA 1,2	44	KAU	HAWAI'I
HOKUKANO	14	KAU	HAWAI'I
PUULENA		KAU	HAWAI'I
ILIOKAOLOA	Ħ	KAU	HAWAI'I
рииоени	**	KAU	HAWAI'I
KOPU	**	KAU	HAWAI'I
KIIOKALANI	11	KAU	HAWAI'I
PAPOHAKU	Ħ	KAU	HAWAI'I
AEMALO	n	KAU	I'IAWAH
MAKAKA 2	IT	KAU	HAWAI'I
MOAULA		KAU	I'IAWAH
PAPOHAKU	u	KAU	HAWAI'I
KAUNAMANO	4	KAU	HAWAI'I
KAHIHIPALI	10	KAU	HAWAI'I
WAIOPUA	II.	KAU	HAWAI'I
WAIMUKU	и	KAU	HAWAI'I
OKAU	ч	KAU	I'IAWAH
4 PUUEO	**	KAU	HAWAI'I
HONOLULU	If .	PUNA	HAWAI'I
POPOKI	н	PUNA	HAWAI'I
WAAWAA	TI TI	PUNA	HAWAI'I
KEALAKOMO me KILAUEA	ч	PUNA	HAWAI'I
NANAWALE	ıt	PUNA	HAWAI'I
MAKENA	н	PUNA	HAWAI'I
KEAUOHANA	11	PUNA	HAWAI'I
KANANE 1	e e	PUNA	I'IAWAH

## WR65 (cont.)

#### NO KE AUPUNI (185/187)

ANIA AN O AC	AHUPUAA	KALANA	MOKUPUI
KANANE 2	и	PUNA	IAWAI
KI	ij	PUNA	HAWAI
KAMAILI	u	PUNA	HAWAI
PANAUIKI	il	PUNA	HAWAI
KEONEPOKE	Ü	PUNA	HAWAI
WAAWAA	Ü	PUNA	HAWAI
KAUKULAU	н	PUNA	HAWAI
POUPOU 1	и	PUNA	HAWAI
POUPOU 2	ц	ANDA	HAWAI
<b>DOHOIKI</b>	11	PUNA	IAWAI
ONELAA	11	PUNA	HAWAI
KEOKEA	10	PUNA	HAWAI
KIKALA 1	Ü <b>t</b>	PUNA	HAWAI
KIKALA 2	н	PUNA	HAWAI
MAKUU	n .	PUNA	HAWAI
караани	u	PUNA	HAWAI
караани 2	n	PUNA	HAWAI
PULAMA	Ti-	PUNA	HAWAI
POUPOU	Ħ	PUNA	HAWAI
OPIHIKAO	α	PUNA	HAWAI
HALEPUAA	U	PUNA	IAWAH
KAOHE	Ü	PUNA	IAWAH
KAHOLONA	й	PUNA	HAWAI'
KANEKIKI	10	PUNA	HAWAI'
KAUWELEAU	11	PUNA	'IAWAH
ILI KU I KUPAHUA	· · · · · · · · · · · · · · · · · · ·	PUNA	'IAWAH
KAIKAWOWO	ILI NO NANAWALE	PUNA	HAWAI'
MALAMA	11	PUNA	HAWAI'
PULAMA	п	PUNA	'IAWAH
OAAHALANUI	u	PUNA	'IAWAH
KANIAHIKU	ILI NO KAPOHO	PUNA	IAWAH
ONELOA	"	PUNA	HAWAI

#### NO KE AUPUNI (187/189)

IOA O NA AINA	<u>AHUPUAA</u>	<u>KALANA</u>	WOKUPUNI
КИРАНИА	*1	PUNA	HAWAI'I
MALAMA	й	PUNA	HAWAI'1
LONGKAEHO	ILI NO KUPAHUA	PUNA	HAWAI'I
HAPAIKI	ILI NO KUPAHUA	PUNA	I'IAWAH
KULAIMANO	н	HILO	HAWAI'I
KUHUA	ri .	HILO	HAWAI'I
WAILEA	•	HILO	HAWAI'I
LAUPAHOEHOE 1	· ·	HILO	HAWAI'I
LAUPAHOEHOE 2	m .	HILO	HAWAI'I
HONOMU	. н	HILO	I'IAWAH
KAHUA	н	RITO	HAWAI'I
MOKUHONUA	•	HILO	I'IAWAH
1 KAIWIKI O KAI	er er	HILO	HAWAI'I
KAOHAOHA	ri .	HILO	HAWAI'I
KAHINALO	,	HILO	HAWAI'I
KAPUA 1	*	HILO	HAWAI'I
UMAUMA	•	HILO	HAWAI'I
MAKAOKU	ILI NO WAIAKEA	HILO	I'IAWAH
KAHALII	#	HILO	HAWAI'I
KIKALA	•	HILO	HAWAI'I
KVIMIKINAI	**	HILO	HAWAI'I
	H	HILO	HAWAI'I
OOKALA	AKAHI	HILO	HAWAI'I
KAIWIKI	4	HILO	I'IAWAH
NAKAOHAOIIA	п	HILO	HAWAI'I
PUOHAI	q	HILO	I'IAWAH
ULUKANU	ч	HILO	I'IAWAH
KUAIA	и	HILO	HAWAI'I
HOKOA	Ŋ	HILO	I'IAWAH
KUMAHOE NAPAALOA	, n.	HILO	HAWAI'I
NAKAALAU 1,2,3,4,	10	HILO	I'IAWAH

### WR65 (cont.)

#### NO KE AUPUNI (189/191)

ANIA AN O AON	A <u>HUPUAA</u>	<u>KALANA</u>	NOKUPUN
NAKIHALANI	11	HILO	!'IAWA!
PAEOHI	n	HILO	HAWAI'I
OPEA	"	HILO	HAWAI'I
KAWAINUI	<del></del>	HILO	HAWAI'I
MAUMAU		HILO	!!AWAI'I
KAMAEE	•	HILO	HAWAI'
KAWAINUI	н	HILO:	HAWAI'I
PAPAA	ıd	HILO	HAWAI'I
PUUOHUA	**	HILO	HAWAI'
PUEOPAKU	и	HILO	HAWAI'I
NENE	н	HILO	HAWAI'I
KAMAEE	m .	HILO	HAWAI'I
KAOMA	Pi ·	HILO	HAWAI'
WA ILUA IKI	**	HILO	HAWAI'
AAMANU	•	HILO	HAWAI'
KIAPU		HILO	HAWAI'
's KAUHIULA		HILO	HAWAI'
5 PAIHAALOA	-	HILO	HAWAI'
KAIWILAHILAHI	•	HILO	HAWAI'
KAMAEE	•	HILO	HVMVI,
WAINAKU	•	HILO	HAWAI'
KAHALII	•	HILO	HAWAI'
KAMAEE	•	HILO	'IAWAH
HAUKALUA 1		HILO	HAWAI'
HAUKALUA 2	#	HILO	HAWAI'
MAKEA		HILO	HAWAI'
POHAKUKAHI	н	HILO	HAWAI'
KAALAU		HILO	HVMVI,
KILAU	٩	HILO	'IAWAH
MOKUHOONIKI	•	HILO	HVMWI,
's PUEOPAKU	ŋ	HILO	1 AWAH
PUUHUNE		HILO	HVMVI,

#### NO KE AUPUNI (191)

DA O NA AINA	AHUPUAA	<u>KALANA</u>	MOKUPUN
KAUPOKUEA	u	HILO	HAWAI'
AWAPUHI	и	HILO	'IAWAI
PUAAKULOA	IV.	HILO	HAWAI'
MALAMALAMAIKI	н	HILO	HAWAI'
¹ <sub>3</sub> К∧АМА	+1	illo	HAWAI'
<b>Λ LEAMA I</b>	u	HILO	HAWAI'
KULANAKII	u	illLO	HAWAI'
PUALAEA	ü	HILO	HAWAI'
OPEA	II .	HILO	'IAWAH
PUUOHUA	ü	HILO	HAWAI'
NINOLE	ii	HILO	HAWAI'
PALEAU	19	HILO	HAWAI'
ALAKAHI	e e	BILO	HAWAI'
Y KAIWIKI	47	HILO	HAWAI'
KAIIIUULA	η	HILO	HAWAI'
KAPEHU	a	HILO	'LAWAH
КАЛКЕРА	н	HILO	HAWAI'
KAOHE	u	намакиа	HAWAI'
KAUMOALI	и	HAMAKUA	HAWAI'
KAOIIE	10	HAMAKUA	HAWAI'
MANAWAIKOHAO	17	HAMAKUA	HAWAI'
OUHI	И	HAMAKUA	'IAWAI
KAAWIKIWIKI	И	HAMAKUA	HAWAI'
PAA 1	v	HAMAKUA	HAWAI'
PAA 2	16	HAMAKUA	'IAWAH
l KAPAAHU	и	HAMAKUA	HAWAI'
KUIIIA	n	HAMAKUA	HAWAI'
КАЛНА	II .	HAMAKUA	HAWAI'
MANOWAIKOHAO	u '	HAMAKUA	. HAWAI
l OPIHIHALI l	a	HAMAKUA	HAWAI'
1 OPIHIHALI 2	Tr.	HAMAKUA	HAWAI'

### WR65 (cont.)

#### NO KE AUPUNI (191/192)

ANIA AN O AC	<u> Ани</u> ри <u>аа</u>	<u>KALANA</u>	MOKUPUHI
1 OPIHIHALI 3	11	намакиа	HAWAI'I
AAMANU	n	намакиа	1 1 I AWAH
KEAHUA	HF	HAMAKUA	HAWAI'I
KEKUALELE	**	HAMAKUA	HAWAI'I
1 KAHOLO 1	и	HAMAKUA	1'IAWAH
L KAHOLO 2	41	HAMAKUA	HAWAI'I
MAONAKOMALIE	*1	HAMAKUA	HAWAI'1
КЕЛГАКАНА	ii	RAMAKUA	HAWA1'1
HOEA	•	намакиа	1'IAWAH
KAAWIKIWIKI	"	HAMAKUA	HAWAI'I
KEMAU	u	HAMAKUA	I'lAWAH
POHAKUKAHI	н	H <b>AMA</b> KUA	HAWAI'I
WAIKAALULU	я	HAMAKUA	I'IAWAH
1 KAAO 1	n .	HAMAKUA	HAWAI'I
1 KAAO 2	a	HAMAKUA	HAWAI'I
KAMOKALA	н	HAMAKUA	HAWAI'I
1 HAUOLA 1	d	HAMAKUA	HAWAI'I
1 HAUOLA 2	rr .	HAMAKUA	I,1VMVH
1 HENEHENEULA 2	**	HAMAKUA	I'I <b>AWA</b> H
PUOPALA	·r	HAMAKUA	I 'IAWAH
KEAA 3	н	HAMAKUA	1'IAWAH
1 KAPAAULA 1	(P	HAMAKUA	I'IAWAH
1 KAPAAULA 2	н	HAMAKUA	I'IAWAH
1 KAPAAULA 3	n	намакиа	HVMVI,I
1 KAPAAULA 4	u	намакиа	HAWAI'I
1 KAPAAULA 5	U	HAMAKUA	I'IAWAH
PAAUILO	ų	HAMAKUA	I I AWAH
WAIKOLOA	u	HAMAKUA	HAWAI'I
PUEO	и	HAMAKUA	I'IAWAH
HAINA	ıt	HAMAKUA	1'17WAH
KEKUALELE	r <del>t</del>	HAMAKUA	I ' I AWAH

#### NO KE AUPUNI (193/195)

NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
LAUPAHOEHOE	п	HAMAKUA	HAWAI'I
NAKOOKA	44	HAMAKUA	I'IAWAH
APUAA	<b>m</b>	HAMAKUA	HAWAI'I
KAWAIKAPU	10	HAMAKUA	HAWAI'I
HONOPUE	"	HAMAKUA	HAWAI'I
AWINI	9	HAMAKUA	HAWAI'I
HAUKOI	н	намакил	HAWAI'I
AHUALOA	n	HAMAKUA	HAWAI'I
2 KAAO 1,2	10	HAMAKUA	I'IAWAH
MAONAMALIE	· N	HAMAKUA	I'IAWAH
WAIALEALE	19	HAMAKUA	HAWAI'I
KAMAULI	и	HAMAKUA	I'IAWAH
KALUA	•	HAMAKUA	HAWAI'I
's MALAUAHAE	н	HAMAKUA	HAWAI'I
AU	"	HAMAKUA	I'IAWAH
KAAUHUHU	ii	HAMAKUA	HAWAI'I
PUULENA	**	HAMAKUA	HAWAI'I
k KAAPAHU	н	HAMAKUA	HAWAI'I
WAIKAALULU	н	HAMAKUA	HAWAI'I
MANAWAIALEE	v	HAMAKUA	HAWAI'I
KUILEI	ч	намакиа	HAWAI'I
PAPAANUI		HAMAKUA	HAWAI'I
PUANUI	ч	HAMAKUA	I'IAWAH
k KAUMANOMANO	n	HAMAKUA	I'IAWAH
LAULA	и	HAMAKUA	HAWAI'I
MANIANIA	4	HAMAKUA	HAWAI'I
MANIANIA HONOIPO	н	KOHALA	HAWAI'I
1 HIHUI 1	u u	KOHALA	HAWAI'I
1 HIHUI 2	i.	KOHALA	HAWAI'I
OPIHIPAU	н	KOHALA	HAWAI'I
POO	п	KOHALA	I'IAWAH

## WR65 (cont.)

#### NO KE AUPUNI (195/197)

NOA O NA AINA	VHABAYY	KALANA	MOKUPUNI
каома	н	KOHALA	I'I AWAI
MAKEANEHU	a	KOHALA	HAWAI'I
KAIHOOA	n	KOHALA	I'IAWAH
PUAIKI	"	KOHALA	HAWAI'I
LAPAKAHI	n	KOHALA	1 'IAWAH
1 PUAKEA 1	н	KOHALA	HAWAI'I
1 PUAKEA 2	u	KOHALA	HAWAI'I
	Awa a me kahi honua i kai	KOHALA	I'IAWAH
MAHUKONA	n	KOHALA	1 'I AWAH
1 PAUAHI 1	•	KOHALA	HAWAI'I
1 PAUAHI 2	Tr.	конала	HAWAI'I
LANIKEPUE	n .	конугу	RAWAI'I
KOKOIKI	14	KOHALA	HAWAI'I
MAHUKONA	ii	KOHALA	HAWAI'I
PAGO	ø	KOHALA	HAWAI'I
MAKANIKAHIO		KOHALA	HAWAI'I
UPOLU		KOHALA	HAWAI'I
HONOINU	**	KOHALA	HAWAI'I
HVIVALY		KOHALA	HAWAI'I
KAIHOOA 2		KOHALA	HAWAI'I
OKAU 1		KOHALA	HAWAI'I
OKAU 2		KOHALA	HAWAI'I
OKAU 3		KOHALA	HAWAI'I
OKAU 4		KOHALA	I 'IAWAH
okau 5		KOHALA	I'IAWAH
OKAU 6		KOHALA	I'lAWAH
okau 7	.,	KOHALA	HAWAI'I
PAOPAO	ч	KOHALA	1'1AWAH
LAMALOLOA	1.0	KOHALA	HAWAI'I
HUALUA		KOHVTV	l'lawag
KEKIKIKI	ILI I APUAKEHAU	KOHATA	I.IVMVH
2 ILI AINA I	NIULII	KOHADA	

#### NO KE AUPUNI (197/199)

NOA O NA	AINA	<u>AHUPUAA</u>	<u>KALANA</u>	MOKUPUNI
l; HANAWI	111 03	I NIULII	KOHALA	HAWAI'I
LANIKEL	E ILI	NO LANIKELE I	HONOMAKAU	HAWAI'I
MAKEANE	IU	п	конага	I'IAWAH
POEHOEH	J .		- KOHALA	HAWAI'I
KAPUA		*1	KOHALA	1'IAWAH
KAHEI			KOHALA	HAWAI'I
КАНА	ILI	I NIULII	KOHALA	HAWAI'I
AWILI		41	KOHALA	I'IAWAH
HAENA		.,	KOHALA	HAWAI'I
LAAUMAM	ANUI	*1	KOHALA	I'IAWAH
HONOMAK	AU	n ·	KOHALA	HAWAI'I
AWALUA		н	KOHALA	I'IAWAH
HALAWA		а	KOHALA	HAWAI'I
PUUEHA	I MOOKI	NI "	KOHALA	I'IAWAH
LAHUIKI	ILI	NO KUKUIPAHU	KOHALA	HAWAI'I
1 KALAL	λ	er	KOHALA	I'IAWAH
y pueke			KOHALA	HAWAI'I
\ UPOLU		*1	KOHALA	I'IAWAH
KAHEI	e pili ana me KAA	.បអបអប	KOHALA	I'IAWAH
HUKIAA	WAENA	at .	KOHALA	I'IAWAH
PAWAA		II .	KOHALA	I'IAWAH
KEHEI		12	KOHALA	I'IAWAH
5 PAOPA	.0	•	KOHALA	HAWAI'I
AWINI		41	KOHALA	
AINAKEA	. 1	n	KOHALA	I'IAWAH
MAULILI	:	**	KOHALA	
LAAUMAN	MAIKI		KOHALA	I'IAWAH
пініп			KOHALA	
MAKEANE	:HU		KOHALA	HAWAI'I
KALALA		17	KOHALA	I'IAWAH
VHIHVA	ILI	NO AINAKEA	KOHALA	
KUKUIW	LUHIA		KOHALA	HAWAI'I

## WR65 (cont.)

#### NO KE AUPUNI (199/201)

- 1				
	INOA O NA AINA	AAUPUAA	KALANA	MOKUPUH I
	Аниакенаи	u ·	конугу	HAWAI'I
	HOPEOLAA	ILI NO HALAWA	KOHALA	HAWAI'I
ı	BUYTOYTO	ILI NO HALAWA	KOHALA	1 1 1 AWAH
ļ	WAAWA	ILI NO WAIMEA	KOHYTY	I LIAWAH
	POHAKULUA	"	KOHALA	HAWAI'I
	MAKEANEHU	re .	KOHALA	! 'lawa!
	KIPI	н	KOHALA	HAWAI':
	KOKIO	16	KOHALA	I'IAWAH
	KEHENA	··	KOHALA	HAWAI'I
	ронакири	•	KOHALA	HAWAI'I
	MAHUKONA PULEHU	ч	KOHALA	HAWAI'I
	PAOO	н	KOHALA	IIAWAI'I
	AINAKEA 2	· ·	KOHALA	HANAI'I
	1 PUUNAUIKI	n n	LAHAINA	NAUI
	y UHAO	u	LAHAINA	MAUI
	4 PUAHOOWALI	11	LAHAINA	MAUI
	's KAPUNAKEA	п	LAHAINA	MAUI
	y PUUIKI	и	LAHAINA	MAUI
	∖ коока	n .	LAHAINA	MAUI
	MOANUI	u	LAHAINA	MAUI
	₹ KUHOLILEA	н	LAHAINA	MAUI
	MWIOKOV	14	LAHAINA	MAUI
	KAMEHAME 1	ч	KULA	MAUI
	OMAGPIO 6	ч	KULA	MAUI
	OMAOPIO 7	ei	KULA	MAUI
	6 OIGOAMO	•)	KULA	LOVW
	OMAOPIO 9	·	KULA	MAU 1
	OMAOPIO LO	п	KULA	MAU I
	I AAAPUEO 3	D	KULA	MACI
	KAHILO 1	и	KULA	1 DAM
	KAHILO 2	ц	KULA	MAUI
	KAHILO 2		KOIIA	

### NO KE AUPUNI (201/203)

	(201) 203.		
DA O NA ALIJA	<u>AHUPUAA</u>	KALANA	йокавлит
KEXHUA	и	KULA	MAUI
1 KUKUTAEO 3		KULA	MAUI
KAUAU 1	•	KULA	MAUI
кашаш 2	•	KULA	MAUI
ΛΗυΡΑυ	н	KULA	MAUI
HOKUULA	н	KULA	IUAM
KOALI		KULA	IUAM
AAPUEO	•	KULA	IUAM
Oldovwo	•	KULA	IUAM
KAMAOLE	ч	KULA	MAUI
PULEHU	o	KULA	MAUI
NAALAE		KULA	MAUI
MOOIKI	N	HONUAULA	IUAM
PAEAHU	н ,	HONUAULA	MAUI
MAIBYO	19	HONUAULA	MAUI
MOOPILO 1	14	HONUAULA	MAUI
MALUAKA	m	HONUAULA	IUAM
PAPAA		HONUAULA	MAUI
MALUAKA 1	7	HONUAULA	MAUI
KAULUOIIANA	п	HONUAULA	MAUI
KALIHI 1	н	HONUAULA	MAUI
KALIHI 2	4	HONUAULA	MAUI
's KAEO	el	HONUAULA	MAUI
KANAIO	u	HONUAULA	MAUI
KALOI	•	HONUAULA	MAUI
ONAU	а	HONUAULA	MAUI
ΡΑΡΑΚΑ	м	HONUAULA	MAUI
MOOLOA	*	HONUAULA	MAUI
MOODON		HONUAULA	MAUI
	· ·	HONUAULA	MAUI
KUALAPA	KA MOKU	KAHIKINUI	IUAM
KAHIKINUI KAUPO 66	AHUPUAA KA MOKU KAUPO	, militarioi	NAUI

WR65 (cont.)

### NO KE AUPUNI

(203/205)

KOANANAI  KUKUUILAIKI  HALEMANO  MAKANONI  KAKALAHALE  KAPUAIKINI  NAILIILIPOKO 1  NAILIILIPOKO 2  POPOLOA  MAULILI  KIKOO  KAUMAKANI  ALAE  MAKAALAE	KU O KAUPO		KEIA MAHELE  KIPAHULU  KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
KUKUUTLAIKI HALEMANO MAKANONI KAKALAHALE KAPUAIKINI NAILIILIPOKO 1 NAILIILIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE		)	KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
HALEMANO MAKANONI KAKALAHALE KAPUAIKINI NAILILIIPOKO 1 NAILIILIIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE		)	KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
MAKANONI KAKALAHALE KAPUAIKINI NAILIILIPOKO 1 NAILIILIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE		)	KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
KAKALAHALE KAPUAIKINI NAILIILIPOKO 1 NAILIILIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	# # # # # # # # # # # # # # # # # # #	)	KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
KAPUAIKINI NAILIILIPOKO 1 NAILIILIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE		)	KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
NAILIILIPOKO 1 NAILIILIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	*	)	KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
NAILIILIPOKO 2 POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	# # # # # # # # # # # # # # # # # # #	,	KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
POPOLOA MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	**************************************	)	KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI MAUI MAUI MAUI MAUI MAUI MAUI MAUI
MAULILI KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE		)	KIPAHULU KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI MAUI MAUI MAUI MAUI
KIKOO KAUMAKANI ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	" " " " " " " " " " " " " " " " " " "	)	KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI MAUI MAUI MAUI
KAUMAKANI ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	" " " " " " " " " " " " " " " " " " "	)	KIPAHULU KIPAHULU KIPAHULU KIPAHULU	MAUI IUAM U
ALAE MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	" " O MA KAUPO	)	KIPAHULU KIPAHULU	IUAM U
MAKAALAE WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	" O MA KAUPO	)	KIPAHULU KIPAHULU	IUAM t
WAILAMOA AOA KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	" O MA KAUPO	)	KIPAHULU	
KAUMAKANI KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	O MA KAUPO	)		J MAUI
KAPUAIKINI KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE				
KALENA POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE			KIPAHULU	J MAUI
POPOLOA KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	**		KIPAHULU	J MAUI
KAEHOEHO POPONUI KALENAIKI WAILAMOA KAKALAHALE	•		KIPAHULU	IUAM į
POPONUI KALENAIKI WAILAMOA KAKALAHALE	=		KIPAHULU	J MAUI
KALENAIKI WAILAMOA KAKALAHALE	4		KIPAHULU	MAUI
WAILAMOA KAKALAHALE	Ħ		KIPAHULU	; MAUI
KAKALAHALE			KIPAHULU	IUAM (
	•		KIPAHULU	I UAM (
NAWANANALUA	-		KIPAHULU	J MAUI
************	н		HANA	MAUI
HONOMAELE	4		HANA	IUAM
WAKIU			HANA	MAUI
1 KEAA 1			KOOLAU	IUAM
KOOLAU KA MOKU	•			IUAM
HANAWANA	•		KOOLAU	PMOI

65 (cont.)			
	NO KE AUPUNI (205/207)		
	(20372077		
AWIA AK O AG	<u>анирила</u>	K <u>ALANA</u>	MOKUPUNI
HOLYMY	ti	HAMAKUALOA	MAUI
HONOKALA	· ·	HAMAKUALOA	IUAM
POUPOUWELA	ч	HAMAKUALOA	MAUI
HONOPOU	fl fl	HAMAKUALOA	MAUI
PEVHI	HAULE I KE KOPE ANA	A.P. KALAMA	MAUI
HANEHOI	12	HAMAKUALOA	MAUI
HOALUA		HAMAKUALOA	MAUI
KUIAHA	н	HAMAKUALOA	MAUI
РАРАЛЕЛ	U	HAMAKUALOA	MAUI
2 PUOLUA 1,2	н	намакильса	MAUI
HANEHOI 2	м	HAMAKUALOA	MAUI
PEAHI	et	HAMAKUALOA	MAUI
UAOA	41	HAMAKUALOA	MAUI
's HIKINA	KA MOKU O HAMAKUA POKO		MAUI
PANIAU	**	HAMAKUAPOKO	MAUI
MAKAWAO	KA MOKU	MAKAWAO	MAUI
KEALAKEKUA	I	MAKAWAO	MAUI
KAPALAIA	н	MAKAWAO	MAUI
KEALIA	I KAMAALAEA PUALI KOM.		IUAM
L KAHANA 1	44	KAANAPALI	IUAM
Канала 2	P	KYVNY5VI'I	MAUI
3 MAHINAHINA 1,2,3,	н	KAANAPALI	MAUI
ΚΛΙΝΑΛΙΙΛ	n .		MOLOKAI
1 ONOULI 1	•		MOLOKAI
KAWAIKAPU	н		MOLOKAI
KAWALUNA	н		MOLOKAI
MAHULILI	н		MOLOKAI
POHAKULOA	и		MOLOKAI
1 ONOULI 2	H <sup>*</sup>		MOLOKAI
KALUAKOI 2	я		MOLOKAI

MOLOKAI

MOLOKAI

	<del>_</del>		<del></del> _
WR65 (cont.)			
	NO KE AUPUN	Ī	ļ
	(207)	-	
NOA O NA AINA	<u>ÝHNBŇÝÝ</u>	<u>KYTYNY</u>	NOKUPUNI
	п		MOLOKAI
MAULILI			MOLOKAI
POHAKULOA			MOLOKAI
KALUAKOI l			MOLOKAI
KALAWAO			MOLOKA1
HOOLEHUA	"		MOLOKAI
: KAMANONI			MOLOKAI
RAULEI	,		MOLOKA I
FAHANANUI			MOLOKAI
KEANAOKUINO			MOLOKAI
KAAMOLA 1			MOLOKAI
KAAMOLA 2			MOLOKAI
KAAMOLA 3	"		MOLOKAI
KAAMOLA 4			MOLOKAI
PONIUOHUA	**		MOLOKAI
MANAWAINUI			MOLOKAI
KIPU			MOLOKAI
MOANUI			MOLOKAI
MAKAKUPAIANUI			MOLOKAI
OHIA 1 HIKINA	н		MOLOKAI
₹ KAHANUI	и		MOLOKAI
A AHAINO	Id		MOLOKAI
LUPEHU	**		MOLOKAI
y poniuohua	и		MOLOKAI
KAAMOLA	n		MOLOKAI
kamiloloa	н		MOLOKAI
KAINALU	й		MOLOKAI
KAAMOLA	n		MOLOKAI
1 PUKOO 2	t)		MOLOKAI
MANIANIA	ILI NO WAIKOLU		LANAI
PAWILI	н		
KEALIA 1	10		LANAI LANAI
KEALIA 2	II		LANAI

PUKOONUI

KAWALUNA

## NO KE AUPUNI

NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
KAUMALOPAU 1	95		LANAI
KAUMALOPAU 2	M		LANAI
KAUMOLU	11		LANAI
	KO KA PAPU MAU	AINA	
PUUNUI 1	ILI NO HONOLULU	KONA	OAHU
PUUNUI 2	ILI NO HONOLULU	KONA	OAHU
PUUNUI 3	ILI NO MONOLULU	KONA	OAHU
ALEWA	ILI NO HONOLULU	KONA	OAHU
KAHAPAAKAI	ILI NO HONOLULU	KONA	OAHU
KUWILI	ILI NO HONOLULU	KONA	OAHU
KAPIWAI 1	ILI NO HONOLULU	KONA	OAHU
KAPIWAI 2	ILI NO HONOLULU	KONA	OAHU
PALIKEA	ILI NO HONOLULU	KONA	OAHU
PUIWA	ILI NO HONOLULU	KONA	OAHU
KAWANANAKOA	ILI NO KAOLU	KONA	OAHU
KALOKOHONU	ILI NO HONOLULU	KONA	OAHU
KUNAWAI	ILI NO HONOLULU	KONA	OAHU
AALA	ILI NO HONOLULU	KONA	OAHU
PALEPO	ILI NO HONOLULU	KONA	UHAO
NIUPAIPAI	ILI NO HONOLULU	KONA	OAHU
APOWALE	ILI NO HONOLULU	KONA	OAHU
KUATAULA	ILI NO HONOLULU	KONA	UHAO
KAALEO	ILI NO HONOLULU	KONA	OAHU
KUHIMANA	ILI NO HONOLULU	KONA	OAHU
KVIKAHI	ILI NO HONOLULU	KONA	OAHU
OLOKU	ILI NO HONOLULU	KONA	OAHU
HAUHAUKOI	ILI NO HONOLULU	KONA	OAHU
КАИКАНОКИ	ILI NO HONOLULU	KONA	OAHU
KALUI (KAHUI)	ILI NO HONOLULU	KONA	OAHU
PAUHULUHULU	ILI NO HONOLULU	KONA	OAHU
PUNANAAKAA	ILI NO HONOLULU	KONA	UHAO

## WR65 (cont.)

#### NO KE AUPUNI (209/211)

OA O NA AIŅĀ	AHUPUAA	KALANA	MOKUPUI
KAILIILI KAALAALALO	ILI NO HONOLULU	KONA	OAHU
LAUKALO	ILI NO HONOLULU	KONA	UHAO
OLOMANA	ILI NO HONOLULU	KONA	OAHU
KUAIPAAKO	ILI NO HONOLULU	KONA	OAHU
KALIA	ILI NO WAIKIKI	KONA	UHAO
KAHAOLE	ILI NO WAIKIKI	KONA	UHAO
KALUAHOLE	ILI NO WAIKIKI	KONA	OAHU
KALUAALAEA	ILI NO WAIKIKI	KONA	UHAO
KAPUNA	ILI NO WAIKIKI	KONA	OAHU
NUKUNUKUAULA	ILI NO WAIKIKI	KONA	OAHU
KAAUMOA	ILI NO WAIKIKI	KONA	OAHU
AUAUKAI	ILI NO WAIKIKI	KONA	OAHU
WAIHINALO	ILI NO WAIKIKI	KONA	OAHU
MOOKAHI	ILI NO WAIKIKI	KONA	OAHU
PAWAA O MAALO	ILI NO WAIKIKI	KONA	OAHU
KALUAOLOHE	ILI NO WAIKIKI	KONA	OAHU
WAIAKA	ILI NO WAIKIKI	KONA	UHAO
KAWAATA	ILI NO WAIKIKI	KONA	UHAO
KAHOIWAI 1	ILI NO WAIKIKI	KONA	UHAO
WAIHI	ILI NO WAIKIKI	KONA	OAHU
PAHUPAHUAPUAA	ILI NO WAIKIKI	KONA	ONHU
KEONEPANEE	ILI NO KALIHI	KONA	UHAO
KALUAUAU		KONA	OAHU
	PAU NA AINA O KA	PAPU	
KAHOOKANE.	ILI NO HONOLULU	KONA	UHAO
	KA WAI A ME KE KA HUA		
	E HANA AI KE HIKI I K	Α	
	MANAWA E HANA AI KA H	a-	
	wai-i NO HONOLULU.		
⅓ KAALAWAI	KULA WALE NO	KONA	OAHU
PAWAA	ILI NO WAIKIKI	KONA	OVHO

#### NO KE AUPUNI (213/215)

MIK AN O AOF	<u> ΛΗ</u> ΨΨΑΛ	KALANA	MOKUPUNI
KUKULUAEO	ILI NO WAIKIKI	KONA	оАни
' KIONA	ILI NO KALIHI	KONA	OAHU
Ŋ KUPEHAU	ILI NO KALIHI	KONA	OAHU
⅓ KALAEPAA	ILI NO KALIHI	KONA	OAHU
KALUAOPALENA	ILI NO KALIHI	KONA	UHAO
KEAUHOU	ILI NO KALIHI	коия	OAHU
MAHANI	ILI NO KALIHI	AONA	UHAO
1 NIAU 1	ILI NO KALIHI	KONA	OAHU
L HIAU 2	ILI NO KALIHI	KONA	OAHU
} POHAKALAWAIA	ILI NO KALIHI	KONA	UHAO
; PUUIKI	ILI NO KAPALAMA	KONA	UHAO
MAONA	ILI NO AIEA	EWA	OAHU
's KAPAELI	ILI NO KALAUAO	EWA	оани
' KAUAPOOLEI	ILI NO KALAUAO	EWA	UHAO
' KAUAOPAI	ILI NO KALAUAO	EWA	OAHU
5 KAHAWAI	ILI NO KALAUAO	EWA	OAHU
kapuai	ILI NO KALAUAO	EWA	OAHU
', KAHIRIEA	ILI NO WAIMALU	EWA	OVIIO
'; ANANA	ILI NO WAIMALU	EWA	OAHU
у ронакири	ILI NO WAIMALU	EWΛ	UHAO
KAHALAA	ILI NO WAIMALU	EWA	OAHU
KAUMIUMI	ILI NO WAIMALU	EWA	OAHU
NALIMA	ILI NO WAIAU	EWA	OHU
ONOAN	ILI NO WAIAU	EMY	OAHU
KALUAOLOHE	ILI NO WAIAU	EWA	OAHU
KAIHUOKAPUAA	ILI NO WAIMANO	EWA	OAHU
КАНАРАРАІ	ILI NO WAIMANO	EWA	UHAQ
PUALEHUA	ILI NO WAIMANO	EWA	OHHU
PUUKAPU 1	ILI NO WAIMANO	EWA	UHAO
PUUKAPU 2	ILI NO WAIMANO	EWA	UHAO
5 LOPA	ILI NO WAIMANO	EWA	OVHO
KALANIHALE	ILI NO MANANA	EWA	OAHU
MANANA UKA	O MANANAIKI	EWA	OHIO

## WR65 (cont.)

## NO KE AUPUNI

(215/217)

OA O NA AINA	AHUPUAA	KALANA	MOKUPI
OKAI	ILI NO MANANAIKI	EWA	OAHU
LIHUE	ILI NO MANANAIKI	EWA	OAHU
; HONOPUE	ILI NO WAIPIO	EWA	OAHU
r oro	ILI NO WAIPIO	EWA	UHAO
KAHAUPUUPUU	ILI NO WAIKELE	EWA	OAHU
WAIPAHU	ILI NO WAIKELE	EWA	OAHU
ULUMALU	ILI NO WAIKELE	EWA	ORAG
ULEMOKU	ILI NO WAIKELE	EWA	OAHU
KAOHAI	ILI NO WAIKELE	EWA	OAHU
ONIO	ILI NO WAIKELE	EWA	OAHU
KAHAKUOHIA	ILI NO WAIKELE	EWA	UHAO
WAIKELE	ILI NO WAIKELE	EWA	OAHU
PAIWA	ILI NO WAIKELE	EWA	UHAO
's AUIOLE	ILI NO WAIKELE	EWA	UHAO
kanupoo	ILI NO WAIKELE	EWA	OAHU
kahanahaiki	AHUPUAA	WAIANAE	UHAO
keawaula	0	WAIANAE	OAHU
kALENA	ILI NO WAIANAE	WAIANAE	OAHU
MAKUA	AHUPUAA	WAIANAE	QAHU
KAMANANUI	AHUPUAA	WAIALUA	OAHU
MOKULEIA 1	u u	WAIALUA	OAHU
MOKULEIA 2	n	WAIALUA	OAHU
KAWAIHAPAI	i)	WAIALUA	UHAO
KEALIA	U	WAIALUA	UHAO
KAENA	"	WAIALUA	OAHU
y WAIMEA	**	KOOLAULOA	UHAO
NAOPANA 1	• и	KOOLAULOA	OAHU
NAOPANA 2	u	KOOLAULOA	OAHU
oio 1	H	KOOLAULOA	OAHU
010 2	.,	KOOLAULOA	OAHU
HANAKAOE	P+	KOOLAULOA	OAHU
ULUPEHUPEHU	u u	KOOLAULOA	OAHU

## NO KE AUPUNI

(217/219)

,			
NOA O NA AINA	<u>ΑΗυΡυ<b>λΑ</b></u>	KALANA	MOKUPUNI
½ KEANA	и	KOOLAULOA	UHAO
KAIPAPAU L	16	KOOLAULOA	OAHU
КАРЛИО		KOOLAULOA	OAHU
PUHEEMIKI		KOOLAULOA	OAHU
WAIONO	e	KOOLAULOA	OAHU
KAIPAPAU	n-	KOOLAULOA	OAHU
MAKAUA	<b>.</b>	KOOLAULOA	OAHU
KAAAWA	"	KOOLAULOA	OAHU
¦ КАМОНОАМАНОРИ	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
PAHALONA	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
PUUKALUHA	ILI NO HAKIPUU	KOOLAUPOKO	OVHO
LUPEHU	ILI NO HAKIPUU	KOOLAUPOKO	OAHU
WAIKANE	н	KOOLAUPOKO	UHAO
KAHALAA	ILI NO WAIKANE	KOOLAUPOKO	OAHU
KAIKI	ILI NO WAIKANE	KOOLAUPOKO	OAHU
MAKANILUA	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
АРИЛ	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
KUAIOMUKU	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
KAANUI	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
KUPAULAU	ILI NO WAIOHOLE	KOOLAUPOKO	UHAO
АРЕЛ	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
KUMUPALI	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
II	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
POAHAMAI	ILI NO WAIOHOLE	KOOLAUPOKO	UHAO
KAPUAKEA	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
UAU	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU
KAALAEA	AHUPUAA	KOOLAUPOKO	OAHU
KAIEIE	ILI NO KAALAEA	KOOLAUPOKO	OAHU
ξ PUAKUKUI	ILI NO KAALAEA	KOOLAUPOKO	OAHU
WAIHEE	AHUPUAA	KOOLAUPOKO	UHAO
KAPUNA	ILI NO WAIHEE	KOOLAUPOKO	UHAO
KIHEWA	ILI NO WAIHEE	KOOLAUPOKO	UHAO

## WR65 (cont.)

#### <u>мо</u>ке <u>дири</u>мі (219/221)

A O NA AINA	<b>AHNDAY</b>	K <u>VTVNV</u>	MOKUP
' KAULULOA	ILI NO WAIHEE	KOOLAUPOKO	OAHU
KANIAIA	ILI NO WAIHEE	KOOLAUPOKO	OAHU
KEAHUPUOLO	ILI NO WAIHEE	KOOLAUPOKO	OAHU
MAUINONI	ILI NO WAIHEE	KOOLAUPOKO	OVIIO
AINONI	ILI NO WAIHEE	KOOLAUPOKO	ОАНИ
LUUKOI	ILI NO KAHALUU	KOOLAUPOKO	OAHU
IOLEKAA	ILI NO HEEIA	KOOLAUPOKO	олни
WAILELE	ILI NO KANEOHE	KOOLAUPOKO	OAHU
y PUNALUU	ILI NO KANEOHE	KOOLAUPOKO	OAHU
- PUAWAHAKEA	ILI NO KANEOHE	KOOLAUPOKO	DHAO
Y PAKUI	ILI NO KANEOHE	KOOLAUPOKO	OAHU
kahooleinaiwa	ILI NO KANEOHE	KOOTYNDOKO	UHAO
WAIOHAKA	ILI NO KANEOHE	KOOLAUPOKO	UHAO
LILIPUNA	ILI NO KANEOHE	KOOLAUPOKO	ONHU
kahuauli	ILI NO KANEOHE	KOOLAUPOKO	UHAO
WAIKAPOKI	ILI NO KANEOHE	KOOLAUPOKO	OAHU
PUIWA	ILI NO KANEOHE	KOOLAUPOKO	OVHO
POHAKEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
WAIPAAKIKI	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAMAKALEPO	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAHANAIKI	ILI NO KAILUA	KOOLAUPOKO	OAHU
POOKEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
MALAMALAMA	ILI NO KAILUA	KOOLAUPOKO	OAHU
KUAILIMA	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAIOA	ILI NO KAILUA	KOOLAUPOKO	OAHU
UAUAAMIAW	ILI NO KAILUA	KOOLAUPOKO	OAHU
MAUNAWILI	ILI NO KAILUA	KOOLAUPOKO	OAHU
PUANEA	ILI NO KAILUA	KOOLAUPOKO	OHIO
kaluaihakoko	ILI NO KAILUA	KOOLAUPOKO	OAHU
POHAKEA	ILI NO KAILUA	KOOLAUPOKO	OAHU
\ MANULELE	ILI NO KAILUA	KOOLAUPOKO	OVHR

## NO KE AUPUNI

(221/223)

O NA AINA	<u>ΑΠΟΡΟΆλ</u>	<u>KALANA</u>	MOKUPUN
	ILI NO KAILUA	KOOLAUPOKO	OAHU
ALAHEO APAELI	ITI NO KYITAY	KOOLAUPOKO	UHAO
MAIOPIHI .	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAOHIA	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAELEULI	ILI NO KAILUA	KOOLAUPOKO	OAHU
KAAIHEE	ILI NO KATILUA	KOOLAUPOKO	OAHU
. KAULU	ILI NO KAILUA	KOOLAUPOKO	OAHU
	ILI NO KAILUA	KOOLAUPOKO	UHAO
, KAIMI . KAPALAI	ILI NO KAILUA	KOOLAUPOKO	OAHU
. KAANOKAMA	ILI NO KAILUA	KOOLAUPOKO	OAHU
. KUKANONO	ILI NO KAILUA	KOOLAUPOKO	OAHU
. ΚΑΡΑΙΟΆ	ILI NO KAILUA	KOOLAUPOKO	OAHU
. KULAPUAA	ILI NO KAILUA	KOOLAUPOKO	OAHU
KALELEKAMANI	ILI NO KAILUA	KOOLAUPOKO	UHAO
, PANLAE	ILI NO KAILUA	KOOLAUPOKO	OVHO
, MANU	ILI NO KAILUA	KOOLAUPOKO	OVHU
, KIONAOLE	ILI NO KAILUA	KOOLAUPOKO	OAHU
POHAKUPU	ILI NO KAILUA	KOOLAUPOKO	OAHU
' KAPIA	ILI NO KAILUA	KOOLAUPOKO	OHHO
, KALAEPAA	ILI NO KANEOHE	KOOLAUPOKO	UHAO
's PUUKAEO	ILI NO KAILUA	KOOLAUPOKO	OVHO
KVHOV	ILI NO KAILUA	KOOLAUPOKO	OVHO
'; POHAKUPU 2	ILI NO KAILUA	KOOLAUPOKO	OAHU
, KAPAKAPA	ILI NO KAILUA	KOOLAUPOKO	OAHU
MAKAWELI	АКИРИЛА	KONA	KAUAI
WAIIIAWA	н	KONA	KVUVI
KOLOA HIK.	H	KONA	KAUAI
	rt.	KONA	KAUAI
	ILI NO HANAPEPE	KONA	KAUAI
KOULA	ILI NO HANAPEPE	KONA	KAUAI
PUNYTYA PUNYTYA	ILI NO WAIMEA	KONA	KAUA]

WR65 (cont.)

#### NO KE AUPUNT

1223/2351

ο <mark>ν</mark> ο νν νίην	viidišuvv	ĸŸľŸŊŸ	<u> МОКОРОП</u>
METIMETI	u	колл	KAUAI
HULEIA AINA BIPI	u	PUNA	KVAVI
ULAKAT	ILI NO KAPAA	PUNA	KAUAI
PATKAHAMA1	ILI NO KAPAA	PUNA	KAUAI
3 OLOHENA	АНИРИАЛ	PUNA	KAUA I
ΗΟΜΑ ΙΚΑΜΛΑ	u .	KOOLAU	KAUA 1
HALAULA	п	KOOLAU	KAUAI
PAPAA	a a	KOOLAU	KAUA1
AL.LOMANU	n.	KOOLAU	, KAUAI
MOLOAA	, и	KOOLAU	KAUAI
PILAU KO ASA KAEO	41	KOOLVA	KAUAI
WATAKALUA HIKI	••	KOOLAU	KAUAI
KILAUEA	н	KOOLAU	KAUAI
WAIGLI	4	HALELEA	KYUVI
WAIPA L	o	HALELEA	κλυλΙ
WAIPA 2	и	' HALELEA	KAUAI
KALALAU	a a	NAPALI	KAUAI
PORAKUAO	tl	NVAVTI	KVUVI
HONOPU	D	NAPALI	KAUAI
HANAKAPIAI	n	NAPALI	KAUA I
's HONOKOA	11	NAPALI	KAUAI
KIKIAOLA	ILI NO WAIMBA	κονν	KVUVI
NIIHAU	KA MOKUPUNI		NILIIN
POHUELOA	ΑΗυρυλλ		NITHAU
KALUAIIONU	*1		NITHAU
PAUAHULA	v		NIIIAU

THE SECOND PALAPALA OR INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848 AND OVERVIEW IN PERTINENT PARTS WITH TRANSLATION, KANAKA TO ENGLISH

(E IKE OU KOU) I RECOGNIZE "YOU"

(NA ALII) THIS CHIEF

(NA KANAKA) BY THIS RACE OF PEOPLE

(O KO'U AUPUNI) A PERSON NAME AU PUNI

(O WAU O KAMEHAMEHA III) I HUMBLY AGREE I KAMEHAMEHA III

(KA LOKO MAI KAI) THIS GOODWILL AGREEMENT

(HOOKAAWALE MAULOA) LANDS TO BE DIVIDED FOR EVER

(KOU KULEANA A PAU) THIS PORTIONS OF LANDS ENTIRELY

(KOU LIHI) THE BOUNDARIES OF THE LAND

(A PAU ILOKO) THE INTERIOR OF THE LANDS ALSO

(kO'U WAIWAI) THESE ASSETS EVERYTHING.

(LEGAL TITLE TO THESE LANDS TO AU PUNI)

ANSWERS TO THE QUESTIONS

CONCERNING THE GOVERNOR'S EXECUTIVE ORDERS

GOV. EX. ORDER 945 PART 1 903.00 AC
GOV. EX. ORDER 945 PART 2 473.52 AC
GOV. EX. ORDER 887 548.57 AC
TRACT E-1 69.562 AC
PRES. PROC. NO. 827 16.2484 AC

A TOTAL OF OVER 2,000 ACRES MORE OR LESS, PAYMENT PER YEAR 1.00 BY THE UNITED STATES TO THE STATE OF HAWAII

#### WR65 (cont.)

THESE GOVERNOR'S EXECUTIVE ORDER'S ARE A FORMAT OF CONSPIRACY BY THE PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH AND UNITED STATES SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. OF WHICH ARE CO-CONSPIRITORS TO COMMIT FRAUD AND TO SWINDLE THE SOVEREIGN LANDS AND ASSETS, LANDS AND ASSETS WERE DEEDED AND ENDORSED BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KAMAMALU BY HER GUARDIAN MATAIO KEKUANAOA AND IOANA II, IN THE BIG BOOK (THE GREAT MAHELE OF 1848 PALAPALA IANA) OR DEED BY JON J. CHINEN.

THE SOVEREIGN NATIVE KANAKA MACLI LANDS WERE NEVER A PART OF THE KINGDOM OF HAWAII AND THEREFORE WERE NEVER OVER THROWN.

ACCORDING TO HISTORY KING KAMEHAMEHA I WAS OF INDEPENDENT POWER AND DID NOT HAVE AN EMPIRE AND THEREFORE DID NOT HAVE THE AUTHORITY OF AN EMPEROR.

IN INTERNATIONAL LAW, CONQUEST IS DEFINED BY BOUVIER'S LAW DICTIONARY, 1914 EDITION, AS THE TAKING OF THE SOVEREIGNTY OF A COUNTRY, BY FORCE OF ARMS, EXERCISED BY AND INDEPENDENT POWERS' EMPIRE.

FOR FURTHER IN SIGHT IN TO UNDERSTANDING WHAT CONSTITUTES A CONQUEST, LOOK TO THE DEFINITION OF THE FOLLOWING WORDS:

INDEPENDENT POWER: THE RIGHT, ABILITY OR FACULTY, WHICH IS NOT SUBJECT TO CONTROL, RESTRICTION, MODIFICATION OR LIMITATION FROM ANY GIVEN OUTSIDE SOURCE.

EMPIRE: THE LANDS OR AREA OR AUTHORITY OF AN EMPEROR

IN VIEW OFTHE AFOREMENTIONED, ONE COULD CONCLUDE THAT IT TAKES AN UNCONQUERED NATION TO CONQUER ANOTHER NATION, AND SINCE KAMEHAMEHA I, DID NOT CONSTITUTE A NATION, THUS, NO OVERTHRON.

AND THEREFORE LOOKING BACK INTO HISTORY KING KAMEHAMEHA FIRST, SECOND, AND THIRD DID NOT BRING OUR SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW.

WHERE AS LOOKING BACK INTO HISTORY, THE YEAR WAS 1893, WHEN AN ILLUSION WAS CREATED, WITH THE SUPPORSED OVERTHROW OF QUEEN LILLUOKALANI, A DESCENDANT OF KING KAMEHAHEHA I OF WHOM INTERNATIONAL LAW DEFINES AS NOT HAVING THE AUTHORITY OF AN EMPEROR AND THEREFORE NO EMPIRE TO OVER THROW.

THE EXECUTIVE COUNCIL, RESPONSIBLE AT THAT TIME, WAS MADE UP OF FOUR

(4) MEN NAMELY JAMES A. KING, STANFORDD B. DOLE- PRESIDENT, W.O. SMITH

AND P.C. JONES, THEY AND THOSE WHO FOLLOWED WERE CITIZENS OF THE

UNITED STATES OF AMERICA, AND THEREFORE BOUND TO THE CONSTITUTION AND

LAWS THERE OF.

ACCORDING TO HISTORY, RUMOR HAS IT THAT THERE WERE FIVE BUSINESSMEN WHO EXECUTED THE SO CALLED OVER THROW OF THE ISLAND KINGDOM. AS EVIDENCE ABOVE, FIVE BUSINESSMEN DO NOT CONSTITUTE AN INDEPENDENT POWER AND/OR A NATION, NOR DID THEY CONTROL AND EMPIRE.

FURTHERHORE, THEY WERE NOT ACTING ON BEHALE OF THE UNITED STATES OF AMERICA. AS PRESIDENT CLEVELAND DENIED THEM SUPPORT OF AMERICA AND/OR

#### WR65 (cont.)

HER MILITARY FORCES, IN FACT, PRESIDENT CLEVELAND DEMANDED THESE BUSINESSMEN TO STOP THEIR ACTIONS IMMEDIATELY.

THESE MEN WERE MERELY ACTING IN THEIR OWN SELF-INTEREST, WITH NO POWER, NO AUTHORITY AND NO JURISDICTION TO CONSTITUTE AN OVER THROW CONQUEST, THUS NO OVER THROW!!!

AND THEREFORE THE LANDS OF THESE ISLANDS CALLED NA MOKU PUNI O HAWAII (THESE ISLANDS OF PUNI CALLED HAWAII) ARE SOVEREIGN LANDS OF NATIVE KANAKA MAOLI CHIEF AU PUNI

NATIVE KANAKA MAOLI CHIEF AU PUNI WAS NEVER BROUGHT TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW, BY KING KAMEHAMEHA I OR THE UNITED STATES OF AMERICA OR ITS CONSPIRITORS.

THEREFORE, MAY IT BE RESOLVED BY THE UNITED STATES OF AMERICA AND THE SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA CONCERNING THE LANDS OF NA MOKU PUNI CALLED HAWAII AS DESCRIBED IN THE NATIVE KANAKA MAOLI MAPS OF 1839 BY KAMALU AND KEPOHONI, THESE TWO MAPS ARE NATIVE.

THE PRESIDENT'S PROCLAMATION'S, GOVERNORS EXECUTIVE ORDERS AND/OR
BREAK IN LAND TITLES IN ILLEGAL COURTS ON THESE SOVEREIGN LANDS SHOULD
BE STOPPED AT ONCE BY THE PRESIDENT OF THE UNITED STATES OF AMERICA
GEORGE BUSH AND ALL RIGHTS AND DETERMINATION SHOULD BE IN FAVOR OF
SOVEREIGNTY AND THE RETURN OF ALL LANDS TO NATIVE KANAKA MAOLI CHIEF
AU PUNI OF THIS ERA.

OVERVIEW

0F

SOVEREIGN NATIVE KANAKA MAOLI CHIEF FROM MOSIAH TO OPUU-KA-HONUA-TO-PUNI

#### AU PUNI

- 1 HIGRATION LEADER OF (200 BC) (NAMED THESE ISLANDS NA MOKU PUNI)
- 2 PATRIARCH OF HIS PEOPLE WITH THE (GENEALOGY)
- 3 ADMINISTRATOR OF THE SOVEREIGN NATIVE KANAKA MAOLI LANDS OF THE POLYMESIAN TRIANGLE

AU PUNI CHIEF OF THE ISLANDS OF NA HOKU PUNI BEFORE KAMEHAMEHA I KAMEHAMEHA I TOOK THE LANDS BY FORCE WITH GUNS (CHANGE THE NAME TO NA HOKU PUNI CALLED HAWAII)

KING KAMEHAMEHA III RETURNED THE SOVEREIGN LANDS TO AU PUNI BY WRITTEN DOCUMENT OR DEED, BY THE GREAT DIVISION OF LANDS OF 1848 CALLED THE GREAT MAHELE OF 1848

#### AN OVERVIEW OF AU PUNI

AU PUNI A DESCENDANT OF OPUU KA HONUA, AU PUNI SETTLED ON THESE ISLANDS ABOUT (200 BC) ONE HUNDRED AND FIFTY YEARS EARLIER THAN HAWAII-LOA (64 BC) BY GENEALOGY AU PUNI IS NOT CONNECTED TO THE HAWAII-LOA'S GENEALOGY THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI IS THE PATRIARCH, GENEALOGY KEEPER AND ADMINISTRATOR OF THE SOVEREIGN LANDS CALLED NA HOKU PUNI (THE ISLANDS OF PUNI) AS HE NAMED THEM IN 200 BC, HE WAS THE FIRST NATIVE KANAKA MAOLI CHIEF TO MIGRATE TO THE POLYMESIAN TRIANGLE.

#### WR65 (cont.)

THEREFORE THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI IS THE MAOLL THE INDIGENOUS, ABORIGINE, GENUINE AND TRUE NATIVE OF NA MOKU PUNI TODAY CALLED HAWAII.

AU PUNI HEREIN DECLARES FOR THE RECORD, THAT THE UNITED STATES OF AMERICA AND THE STATE OF HAWAII BY ITS PEOPLE, WITH BREAK IN LAND TITLES AND NAMELY THE GOV. EX. ORDERS & PRESIDENT'S PROCLAMATION'S BY PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH; UNITED STATES SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. WHO HAS APPELLATE POWERS OR AUTHORITY OVER THE COMMISSION OF PATENTS AND HIS OFFICE IN THE BUREAU OF CONVEYANCES OF THE STATE OF HAWAII, IN HONOLULU, OAHU.

BOTH ARE CO-CONSPIRITORS OF A CONSPIRACY TO COMMIT FRAUD AND TO SWINDLE THE NATIVE SOVEREIGN LANDS AND ASSETS OF THE NATIVE KANAKA MAOLI CHIEF.

THROUGH "FALSE PRETENCES" IS ATTEMPTING TO DEPRIVE HIM OF HIS RIGHTS OF SOVEREIGNTY TOBE SECURE IN HIS PERSON AND PROPERTY.

FALSE PRETENSE. IN CRIMINAL LAW. FALSE REPRESENTATION AND STATEMENTS MADE WITH A FRAUDULENT DESIGN TO OBTAIN "MONEY GOODS, WARES, AND MERCHANDISE," WITH AN INTENT TO CHEAT. 2 BOUVIER, INST. N. 2308

AU PUNI HERE IN CLAIMS THE RIGHTS TO ALL SOVEREIGN LANDS BY ESCHEAT,
THESE LANDS ARE UNDER USE BY THE UNITED STATES OF AMERICA, AS BONHAM
AIR BASE ON THE ISLAND OF KAUAI, AND OTHERS BY THE STATE OF HAWAII AND
ITS PEOPLE, THESE LANDS TO BE RETURNED TO THE NATIVE KANAKA MAOLI
CHIEF IN THE YEAR OF 1992 A.D. BY GENEALOGY CLAIM---

THESE ARE SOME OF THE SOVEREIGN LANDS OF THE ISLAND OF NA HOKU PUNI CALLED KAUAI, WHICH ARE AFFECTED BY THE ACTIVITIES OF THE UNITED . STATES ARMY STRATEGIC TARGET SYSTEM AT BONHAM AIR BASE ON THE ISLAND OF KAUAI AND SHOULD BE RETURNED IMMEDIATELY BY ITS ANCIENT NAMES AND LAND MARK BOUNDARIES ENTIRELY

THE AHUPUAA OF KIKIAOLA

THE ILI AINA OF PUU KA PELE

THE AHUPUAA OF MAKAWELI

THE AHUPUAA OF WAHIAWA THE AHUPUAA OF KOLOA - HIK AND HEM.

THE AHUPUAA OF HULEIA

THE AHUPUAN OF WAIGLI

AND KA HOKU PUNI OF NIIHAU

TRANSLATION - (THE ISLAND OF PUNI CALLED NIIHAU)

AND THEREFORE BY MY GENEALOGY BY THE PUNI LINE OF MY GRANDFATHER "PUNILEI" (1867 TO 1928 AD) THE AU PUNI AT THE TIME OF THE OVER THROW OF 1883

FROM THE GOD OF KANE HOA LANI (ABRAHAM 1996 BC)

DESCENDANTS TO

KU NAWAO (ISHMAEL)

KA LANI MENEHUNE (ISAAC 1896 BC)

DESCENDANT TO

KINI LAU-A-MANO (JACOB 1836 BC) (KINIKAU)

DESCENDANT TO

KAHIKI-KU (JOSEPH 1745 BC)

DESCENDANT TO

KAOKAO KALANI (MANESSEH - 1715 BC)

AND FROM THE LOINS OF EPHRAIN - BROTHER OF MANASSEH

DESCENANTS TO

ANIANI KU (LEHI - 660 BC)

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WR65 (cont.)
   DESCENDANT TO
   ANIANI KA LANI (NEPHI - 620 BC)
   DESCENDANT TO
   MOSIAH (200 BC)
   DESCENDANT TO
   OPUU-KA-HONUA (200 BC)
   DESCENDANT TO
   PUNI-AU PUNI (200 BC)
   DESCENDANT TO
   PUNIPUHA-AU PUNI (1711 AD)
   DESCENDANT TO
   PUNIPUHI-AU PUNI (1784 AD)
   DESCENDANT TO
   KELIIMAUELE-AU PUNI (1809 AD)
   DESCENDANT TO
   KELIIMAUOLE-AU PUNI (1828 AD)
   DESCENDANT TO
   PINEHAKA PUNILEI-AU PUNI (1905 AD)
   DESCENDANT TO
   JOSEPH PUNILEI MANINI-AU PUNI (1930 AD)
   THE AU PUNI OF THIS ERA (1992 AD)
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RELATION OF PUNILEI (END) 1919 TO 1928 HAWAIIAN TEMPLE

KANO	(1057	AD)	KAUAI
KAPULE	(1079	AD)	KAUAI
EWA	(1097	AD)	KAUAI
KAHELE	{1117	AD)	KAUĀI
KAMALU	(1137	AD)	KAUĀI
KAUOO	(1151	AD)	KAUAI

WR65 (cont.)	PEKE	(1177 AD)	KAUAI
	KEAKA	(1177 AD)	KAUAI
	KALA	(1197 AD)	KAUAI
	MAULE	(1217 AD)	KAUAI
	DARNEY PILIULEI	(1217 AD)	KAUAI
	KAOHIHE	(1237 AD)	KAUAI
	KALEIHULUMANU	(1237 AD)	KAUAI
	KONA	(1257 AD)	KAUAI
	NEE	(1277 AD)	KAUAI
	MALUOKEAO	(1277 AD)	KAUAI
	MAII	(1297 AD)	KAUAI
		(1317 AD)	
	PILIWAHINE	(1317 AD)	KAUAI
	KALAIKONA	(1337 AD)	KAUAI
	OKII	(1351 AD)	KAUAI
	ONUHA	(1357 AD)	KAUAI
	MANO	(1377 AD)	KAUAI
	KAPAEHI	(1397 AD)	KAUAI
	PUNIPUHA	(1711 AD)	MANA KAUAI
İ	PUNIPUHI	(1784 AD)	KAUAI
	KALUA PUA HIWA	(1784 AD)	KAUAI
	G-SON NA WAAWAI KAP	AIKI ABOUT 1	.806 AD KAUAI
	G-SON KELIIMAUELE,	KALAU PUA HI	WA (1809) MAKAWELI
	SON OF KELIIMAUOLE	ABOT (1828 A	D) MAKAWELI
	(COUSIN) LUKA MIUAM	A (1845 AD)	MAKAWELI
	KAHAIALII (1854 AD)	HAWAII	
!	(NIECE) KAMEHAIKI (	1868 AD) HON	UAKAHA OAHU
	KAUHANE, HANA (1882	AD) MAKAWEL	I
	(UNCLE) WAHINE KAPU	(MAY 30, 18	90) MAKAWELI

#### BY MY GENEALOGY

I, JOSEPH PUNILEI MANINI THE PUNI OF THIS ERA OF 24 MARCH 1992 AND DO CLAIM FROM THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH AND FROM THE SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN, JR. TO BE THE SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI, OF THE SOVEREIGN KANAKA MAOLI KINGDOM BY MY GENEALOGY.

THEREFORE AS AU PUNI I CLAIM ALL OF MY SOVEREIGN, GUARANTEED OF RIGHTS PRIVILEGE, AND IMMINITIES AS SPELLED OUT IN THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND HERE IN DEMAND ALL OF MY RIGHTS, PRIVILEDGES AND IMMUNITIES, SO SECURED TO HIS PERSON, INCLUDING THE PROTECTION OF COMMON LAW, AND THE LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION, AN INTERNATIONAL LAW OF THE WORLD--

IN ADDITION AU PUNI "OBJECTS" AND "DENIES" ANY AND ALL PERSON FROM
DEPRIVING AND/OR "ALIENATING" HIM FROM HIS CONSTITUTIONAL GUARANTEE OF
RIGHTS SECURED TO HIM AS A NATIVE KANAKA MAOLI CHIEF AND PROTECTED BY
A "COMPACT OF TRUST" WHERE BY THE UNITED STATES GOVERNMENT, HAS A
"FIDUCIARY DUTY" TO PROTECT SAID RIGHTS AND THE COURT OF COMMON PLEAS
HAS JURISDICTION OVER IT COM VS COMPTON 137 PA. 138, 20 ATL. 417.

THEREFORE ANY LAND TRANSACTION IN THESE ISLANDS THAT SHOW A "BREAK IN TITLE" CONSTITUTES FRAUD AND SWINDLE.

WHEREFORE NOTICE IS HERE IN GIVEN OF THE FILING OF A PARTICULAR COMMON

LAW LIEN OF ATTACHMENT AND CAVEAT WITH MEMORANDUM OF LAW AND RECORDED IN THE BUREAU OF CONVEYANCE IN HONOLULU, HAWAII IN LIBER 20882, PAGE 479, WHICH CONSTITUTES A "MIRANDA WARNING" TO ALL PERSONS ACTING ILLEGALLY WITH THE INTENT OF FRAUD OR TREASON NOTICE IS GIVEN THAT YOU WILL BE HELD PERSONALLY LIABLE

ESCHEAT. AN ACCIDENTAL REVERTING OF THE LANDS TO THE ORIGINAL LORD.

AN OBSTRUCTION OF THE COURSE OF:DESCENT, AND A CONSEQUENT
DETERMINATION OF THE TENURE, BY SOME UNFORESEEN CONTINGENCY, IN WHICH
CASE THE LAND NATURALLY RESULTS BACK, BY A KIND OF REVERSION, TO THE
ORIGINAL, OR LORD OF THE FEE. 2 BLA. COM. 244 ET. SEQ.

IT IS A PROCEEDING AT LAW AND "NOT EQUITY" IN RE FENSTER MACHER VS

STATE, 19 OR. 504. 25 PAC. 14 AND THE COURT OF COMMON PLEAS HAS

JURISDICTION OVER IT, COM VS COMPTON 137 PA. 138, 20 A+1.417.

THE UNITED STATES CONSTITUTIONS AND THEIR POSITIVE LAWS PROTECT AND GUARANTEE TO ALL SOVEREIGNS INALIENABLE AND VESTED RIGHTS.

AND THEREFORE THIS NEGOTIATION SHOULD TAKE PLACE ONTHE ISLAND OF KAUAI, STATE OF HAWAII IN NOT MORE THAN NINETY (90) WORKING DAYS AND STARTING FROM THE 27TH DAY OF MARCH 1992 A.D.

THE NATIVE KANAKA MAOLI PEOPLE ARE CONSIDERED NON-SELF GOVERNING PEOPLE AND AS SUCH, ARE ENTITLED TO USED A LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION.

#### WR65 (cont.)

THIS ARRANGMENT BY THE UNITED STATES SECRETARY OF THE INTERIOR, MR.

MANUEL LUJAN, JR. AND NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA BY
GENEALOGY MR. JOSEPH PUNILEI MANINI P.O. BOX 201, MAKAWELI, HAWAII
96769 AND THE PHONE NUMBER IS 338-1538.

WHERE AS NEGOTIATION OF ALL LANDS OF NA MOKU PUNI CALLED HAWAII,
INCLUDING THE RIGHTS TO THE POLYNESIAN TRIANGLE, THE RIGHTS TO ALL
ASSETS OF THE KANAKA MAOLI KINGDOM, RENTS, TAXES, LAND USE PAYMENTS
FOR ALL PAST AND PRESENT LAND USE ETC. POSSESSION OF THIS RIGHTS.

IN CONCLUSION MY CONCERNS WITH THE ACTIVITIES AT BONHAM AIR BASE AND THE POLYMESIAN TRIANGLE IN REGARDS TO THE UNITED STATES OF AMERICA, AND THE STRATEGIC TARGET SYSTEM AND THEIR WAR GAMES, ON THIS SOVEREIGN LANDS AND SURROUNDING AREA SHOULD BE STOPPED AT ONCE.

I SEAL THIS PRESENTATION ON THIS 24TH DAY OF MARCH 1992 AD

UA MAU KE EA O KA AINA I KA PONO (TRANSLATION-KANAKA TO ENGLISH)

PRESERVE AND ENDURE DEFINITE SOVEREIGN OF THIS LANDS AND TO DO IT

HUMBLY "ALOHA"

I THANK YOU FOR GIVING ME THE RIGHT TO TESTIFY AT THIS PUBLIC HEARING.

ALOHA,

CC-

Jayer Puniti Manin 5-80. Box 201 Walaweli, Hawaii 86769 WR66

To Henry Corper.

I am writing to you in regards to the STARS program on Kauai.

I am very much against the STARS program. My reasons are;

- 1. STARS is not safe.
- 2. STARS is damaging to the environment.
- 3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freens in emissions from the missiles. Freens have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

WR66 (cont.)

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scraped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

Digid Mc Such

Brigid McBride

P.O. Box 1476

Kapaa, Hi. 96746

April 2, 1992



## STATE OF HAWAII OFFICE OF HAWAIIAN AFFAIRS

711 Kapiolani Bivd , Suite 500 HONOLULU, HAWAII 96813-5249 PH (808) 586-3777 FAX (808) 585-3799

April 2, 1992

Deputy Commander U.S. Army Strategic Defense Command P.O. Box 1500 Huntsville, Alabama 35807-3801 Attention: CSSD-EN-V (D.R. Gallien)

Dear Sir:

Re: Draft Environmental Impact Statement for the Strategic Target System (February 1992) U.S. Army SDC Pacific Missile Range Facility-Kaua'i Test Facility

Mana, Waimea, Kaua'i, Hawai'i

Thank you for the opportunity to review and comment on the Draft Environmental Impact Statement (DEIS) for the Strategic Target System, dated February 1992.

The Office Of Hawaiian Affairs is concerned about the effect of this project on land use in the Mana area. Several hundred acres of Hawaiian Homes Trust land lie extremely close to the Pacific Missile Range Facility (PMRF). Historically, this federally-created but state-administered trust has lacked money and other resources to develop its land. Recently, renewed effort is being made to make Hawaiian Homes lands available to Native Hawaiian trust beneficiaries.

The safety hazard zone proposed for this project may affect the ability of DHHL to develop these lands as anticipated. The land use section of the DEIS does not address this issue. We believe that a discussion of the safety hazard zone and its potential impacts on the development of DHHL lands should be included in the final EIS.

The public property adjacent to PMRF is also a concern. This property is part of the public trust and is currently leased to Kekaha Sugar Company

#### WR67 (cont.)

Deputy Commander U.S. Army Strategic Defense Command April 2, 1992 Page 2

by the State of Hawai'i Department of Land and Natural Resources (DLNR). The DEIS proposes that safety measures include a Memorandum of Agreement (MOA) among PMRF, DLNR and Kekaha Sugar Company to allow PMRF security forces to keep the public and Kekaha Sugar Company personnel clear of the ground hazard area during each launch.

However, the lease between Kekaha Sugar and DLNR will expire before this project terminates. The conditions of the MOA will effectively restrict the use of this land to agriculture for a period longer than the length of the lease. This negative effect on land use options is not discussed in the DEIS but should be included in the final EIS.

The water supply for PMRF should be addressed. The lack of water in the Mana area has been an issue of concern for many years. It is our understanding that PMRF obtains its water from the Kekaha Sugar Company. If the lease to Kekaha Sugar Company is not renewed will there remain a supply of water for PMRF?

Guaranteed public access to the beach areas of PMRF was a condition of the transfer of the property to federal control. The DEIS at page ES-6 states that public access to beach areas at PMRF will be restricted for about 56 days a year. This appears to be in contradiction to the information contained in the Zest 1 & 2 Environmental Assessment published on May 28, 1991 which states "[b]each closure days for this schedule is a maximum of 238 days per year." This contradiction should be clarified in the final EIS and the cumulative effect of launches on beach closure clearly detailed.

In addition the DEIS details that "the maximum ESQD restriction denies the public access to only 7.4 percent (3,215 feet) of the 8 miles of available beach along PMMF and only 2 percent of the 22 miles of available public beach along western Kaua'i. It should be remembered that beach activities are the primary recreational activity of both the general public and the tourist population of Kaua'i. The 22 miles of public beach along Kauai's western coast is small compared to the public and commercial demand for beach related activities.

Therefore, the restriction of even 2 percent of the beach is significant and the socioeconomic consequences of the additional demand on other beach areas, should be discussed.

The proposed mitigation concerning the endangered adder's tongue fern (Ophioglossum concinnum) is also of concern to OHA. On pages 4-30 of the

2-/9

Deputy Commander U.S. Army Strategic Defense Command April 2, 1992 Page 3

DEIS it is proposed that mitigation would include transplanting the fern to suitable habitat elsewhere within PMRF.

We strongly disagree that the transplanting of endangered species is acceptable mitigation.

First, there is the question of whether or not the plant can withstand the shock of transplanting. Second, even if the plant is able to survive, the habitat from which it has been removed has been artificially and perhaps irreversibly altered.

The concept of protecting endangered species has a wider focus than the single individual plant. Preserving the habitat is equally important if our aim is to keep these plants viable for future generations. Artificially, restricting endangered species to a few areas, threatens their ability to adapt and evolve as part of the natural process.

Finally, we are concerned with the cumulative effect of the hydrogen sulfide emissions on stratospheric ozone. The DEIS offers no mitigation for hydrogen sulfide emissions, stating on page 4-21 that "[p]-rogrammatic stratospheric chlorine contributions over an 11-year period would not accumulate above approximately 0.0001 percent of the total global ozone loss. However, this 0.0001 percent represents an increase to ozone depletion, at a time when there is a worldwide effort to reduce the amount of ozone depletion in the stratosphere.

A story in the February 17, 1992 issue of <u>Time</u> magazine "The Ozone Vanishes" states that the Montreal Protocol, which was created in 1987, called for a 50 percent reduction in chlorofluorocarbon (CFC) production by 1999. By 1990, the delegates were so alarmed by the rate of depletion that they agreed to a <u>total</u> phaseout of CFCs by the year 2000.

Although, hydrogen sulfide emissions may not be considered CFCs, they unquestionably contribute to ozone depletion. Since the focus of this issue is the depletion of global ozone, we urge a more comprehensive discussion of this effect and the inclusion of mitigative measures in the final E1S.

Simparaly

RICHARD K. PAGLINAWAN

Administrator

cc: Clayton Hee, Chairperson OHA Board of Trustees WR68

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Deputy Commander, U.S.A. CSSD-EN-V (D. R. Gallien) P.O. Box 1500 Huntsville, Al. 35087-3807

Dear Sir:

I am not wishing anyone to come over here and bomb us, but I don't want to sit here and do nothing.

So please get the STARS program going as soon as possible. I believe it would be a lot safer if the service people would; practise enough with it that they wouldn't have to worry about whether it will work or not. It would be awful if we shot one off and it didn't work.

Clar Clenkry

Chloe Ellenburg, Secretary/treasurer American Legion Auxiliary

П

Umit #2

Maerican Legion Auxiliary, Hawaii

WR69

KENNETH A. WILSON P.O. BOX 86 KAPAA, HAWAII 9674

Deputy Commander U.S. Army Strategic Defense Command CSSN-EN-V (D.R. Gallien) F.O. Eox 1500 Huntsville, AL 35807-3801

Dear Sir,

I am writing in opposition to the proposed SDI missile launches on the island of Kauai. Our island is not like the desert of Nevada. Although it is by no means an "urban" center, there are still tens of thousands of "real" people inhabiting it. And even if the lives of these people are not important enough to be protected from potential "accidents", the unique and majestic beauty of Kauai's land is truly worth a serious attempt at preservation and respectful treatment. We are already going through numerous other trials, in regard to the development and proper evolution of civilization on this tiny mass of land. To think that it would even be "remotely" possible that one of these missiles might veer off-course and come down smack in the middle of the island is a nightmare that no one wishes to face. I don't know if you've ever

visited Kauai or not, but if you have, you must understand that it is a very special piece of this planet.

I sincerely hope the powers that be come to the conclusion that this proposed project has been mistakenly designated for implementation on Kauai and that the process can be reversed before it's too late for my neighbors and I.

SINCERELY YOURS.

KENNY WILSON

1

WR70 Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Street Address

#### WR70 (cont.)

#### KIKIAOLA LAND COMPANY, LIMITED

#### YES...MORE ON STRATEGIC TARGET SYSTEM!

This statement needs your attention. Yes, YOU! Have you ever considered what the environmental impact would be on the ecology of Kauai if a nuclear bomb were to be exploded over Kauai? You don't think that will ever happen, do you.

Has it ever occurred to you that a long/medium-range ballistic nuclear-tipped missile could accidentally be launched, either from U.S. soil or from foreign soil; or from a submarine? Sure, we're at peace now, and all the missile in their launch tubes are presumably at sleep. Well, Murphy's law says that: "if something could go wrong (usually meaning something really bad), it most certainly will!! That is not very comforting, if Murphy decides it's possible to accidentally launch a sleeping nuclear missile.

Now, once that missile has been launched, there is virtually no way it can be stopped. So, what if it were targeted for, say, Pearl Harbor and Hickam Air Force Base? If it had multiple warheads, one of them could well be aimed at PMRF! BANG!... there goes Kauai's ecology, not to mention lots of folks! Now this nuclear explosion is what I call "macro-ecological impact."

On the other hand, we currently have some people spending a lot of time thinking and talking about the possible "micro-ecological impact" that could be caused by some very much needed high-technology Research and Development. What am I driving at? I'm saying that this R & D is of vital interest to all of us for future protection against the Murphy's that are lurking out there. The magnitude of the environmental impact at PMRF, of a measly count of four test launches a year for ten years is absolutely minuscule compared with one nuclear detonation, anywhere in the world. The nuclear fallout is a global macro-ecological impact.

If you don't think that accident-prone Murphy is of concern, then think about the current instability of the sovereign states of the former Soviet Union. Until we have all dismantled our ICBMs worldwide and as long as there are still thousands of these devices capable of knee-jerk launching with devastating consequences, we damn well better get on with our R&D homework.

Come on, folks, lets support a good cause. I love Kauai just like you do. I was born and grew up in Waimea Town and we had our picnics at Nohili Dunes too. Just as we supported the troops at Barking Sands during World War II, our Company continues to supports this cause as well.

I don't want to ever be in the angelic position of saying "I told you so" if and when we were to have that big Murphy BANG over Kauai because we didn't do our homework I don't believe you would want that either. (By the way . . . no offense to anyone with the name Murphy.)

Mahalo for your support too,

Man E. Faye, Jr., Vice-President Kikiaola Land Co., Ltd.

CC: Senator Daniel Inoque
The Garden Islam Newspaper

P.O. Box 367 / 9600 Kaumualii Hwy. / Waimea - Kauai, Hawaii 96796 • Telephone (808)/338-1900 FAX (808)/338-1619

WR7



### NATIVE HAWAIIAN ADVISORY COUNCIL

A NOMPHOFIT COPPORATION

1088 Bishop Street, Suite 1204, Honolulu, Hawaii 96813 Telephone (808) 523-1445 Facsimile (808) 599-4380

1992 April 9

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35307-3801

RE: Draft EIS for the Strategic Target System Program at the Kauai Test Facility on the Pacific Missile Range Facility

COMMENTS ON DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

1. Cumulative Impact

The proposed action would just be the latest in a long string of actions which demonstrate mismanagement of Hawaiian lands and disrespect for Hawaiian rights in west Kaua'i. The DEIS fails to address the cumulative impacts of land alienation and abuse which would be aggravated by the proposed project.

The DEIS fails to recognize the ceded lands status of portions of the Pacific Missile Range and adjacent state lands. In conjunction with the Hawaiian Home Lands at Kekaha, these ceded lands are the foundation of Hawaiian land and natural resource entitlements in west Kaua'i. Their future as centers of Hawaiian efforts would be impacted by the proposed project, but these impacts are not identified or discussed in the DEIS.

#### EXAMPLES OF CURRENT IMPACTS

A. According to state agency reports, 14,558 acres of Hawaiian Home Lands at Kekaha are leased for \$ 55,209/year. An adjacent 13,167 acres of ceded lands is leased for \$ 358,591/year (GL S-4222). Why are the ceded lands leased for over six times the rent of Hawaiian Home Lands? Could it be because most of the ceded land revenues go to statewide programs, whereas Hawaiian Home Lands revenues only go to Hawaiians?

B. These leases include rights to use water harvested by the Kokee, Kekaha, and Waimea ditch systems. This makes the water unavailable for supporting homesteading and other Hawaiian initiatives on Hawaiian Home Lands and for supporting kuleana lands and state lands in Waimea.

- C. The U.S. Navy does not pay any rent for leases of 248 acres of suspected ceded lands at Mana and Waimea [GL (D)S-4596, 4597, 3952].
- D. The U.S. Army does not pay any rent for lease of 8.45 acres of suspected ceded lands at Kokee [GL (D)S-3937].
- E. The US Navy leases 23 acres of suspected ceded lands at the Pacific Missile Range.  $\,$
- F. The remainder of the PMR operates on suspected ceded lands withdrawn from territorial control by Presidential executive order. The state has never been compensated for federal use of these lands.
- G. The Hawaii Water Plan states that the Kekaha Aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress inflicted on the aquifer by overpumping.

WR72

2

Henry F. Cooper, Director Strategic Defense Initiative Organization CSSD-EN-Y P.O. Box 1500 Huntsville, Alabama 35807-3801

10 April 1992

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Dear Sir.

Do not test the Stars program in Kauai. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kauai.

- t. Endangered marine mammals are gradually returning to their natural environments around Kauai. The numbers of the endanged green sea turtle, the Havaiian monk seal and the humpback whale living in the waters and beaches of Kauai have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kauai's waters to mate and bear their young. The Army's plan to fire 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to shark affack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.
- Native Havaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent
  to it to be secred burial grounds. The firing of missiles violates the respect and honor that is owed
  to this land. The waste materials that would be released into the air, water and earth from the
  missile launching denigrates this land that is cherished by native peoples.
- 3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kauai for the unspolled beauty of its beaches, verdant valleys, dramatic coastline, abundant marinelife and quiet lifestyle. Launching 40 missiles during the maxt 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kauai's airports could result in an catastrophe ( like the Exxon Valdez, or the misfired missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kauai's economy.

Thank you for your attention. Sincerely,

Helen M. Mehl Helen M. Mehl 1675-2 Makanui Rd. Koloa. HI 96756

c. Mayor Joann Yukimura Senator Daniel Inouye Senator Daniel Akaka Representative Patsy Mink Pepresentative Neil Abercrombie Editor, Kaual Times

**W**973



## **KAUAI GUARDIANS**

#### Education/Research

April 4, 1992

Mr. Randy Gallien, Chairman Strategic Target System Environmental Impact Statement Team U.S. Army Strategic Defense Command, CSSD-EN-V P.O. Box 1500 Buntsville, Alabama 35807-3801

Re; Draft Environmental Impact Statement For The Strategic Target System

Dear Mr. Gallien:

We have carefully reviewed the DEIS for the Strategic Target System and find that Section 2.3 (alternatives eliminated from further consideration) is not credible.

There is no reference found anywhere in the DEIS which we can associate to Section 2.3 of the DEIS. In this section there are statements and conclusions of International Law. The Anti-Ballistic Missile Treaty (ABM) and START are part of International Law. Who wrote Section 2.3 of the DEIS?

I spoke with Mr. Matt Nichols, the Army's Treaty Advisor. I asked him if he was a U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERT. His reply was no. He said his degree is in engineering and he provides technical information for the STARS program. Did Mr. Matt Nichols write Section 2.3 of the DEIS?

Would you agree with me, that legal considerations regarding the STARS program and the SDI, would be acceptable to the people of Kauai...if U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERTS prepared a LEGAL ANALYSIS that could be included in the final EIS? SECTION 2.3 OF THE DEIS...NEEDS TO BE QUALIFIED IF YOU EXPECT US TO BELIEVE IT.

The following list, should you choose to research, would be very helpful to you for legal information regarding the STARS program and the Strategic Defense Initiative.

\* The Lawyers Committee On Nuclear Policy, Inc., 666 Broadway, Suite 610, New York, N.Y. 10012 Tele (212) 674-7790 FAX (212) 674-6199

BOX 786, HANALEI, KAUAI, HAWAII 96714 • (808) 822-7787 • FAX (808) 826-7111 (NOT FOR PROFIT)



#### WR73 (cont.)

1

Mr. Randy Gallien, Chairman DEIS Team April 4, 1992

- \* Professor Ann Fagan Ginger, P.O. Box 673, Berkeley, CA 94704 Tele (415) 848-0599, FAX (415) 848-6008 (Professor Ginger is a U.S. Court recognized International Law expert)
- \* Professor Abram Chayes, Harvard Law School
- Professor Martin Feinrider, Nova University Law Center, Fort Lauderdale, Florida
- \* Chayes, Chayes & Spitzer, Space Weapons: The Legal Context, 114, Daedalus 193 (1985)
- \* The Strategic Defense Initiative And International Law, professor Martin Feinrider (Legal Analysis)
- \* Arthur S. Miller, co-editor with Professor Martin Feinrider, Nuclear Weapons and Law (Greenwood Press)

All of the above list of names are highly qualified to provide you with accurate, truthful, legal information regarding the SDI and it's component STARS program.

Now we would like to bring your attention to the argument put forth stating that the STARS program is "research" and therefore unrestricted by the ABM Treaty. We agree. The STARS program is research.

However, to the U.S. Government - at least according to the 1985 Arms Control Impact Statement (98th Congress, 2nd Session 294 (1984) and the U.S. Ambassador Gerard Smith's Statement to the Senate Armed Services Committee, July 18, 1972) THE ABM TREATY ALLOWS RESEARCH OCCURING IN THE LABORATORY AND PROHIBITS DEVELOPMENT AND TESTING OCCURING AT LATER STAGES OF WORK WHEN "FIELD-TESTING IS INITIATED ON EITHER A BROAD-BOARD MODEL OR A PROTOTYPE".

We assume that you have text copy of the ABM Treaty (23 U.S.T. 3434, T.I.A.S. No. 7503). Do you have text copy of the Agreed Statements, Common Understandings, and unilateral Statements Regarding the ABM Treaty?

#### WR73 (cont.)

Mr. Randy Gallien, Chairman DEIS Team April 4, 1992

In order to understand the ABM Treaty - this part is essential.

According to the Unilateral Statements Regarding The ABM Treaty - on April 7, 1972, the U.S. Delegation said that...TESTING OF NON-ABM COMPONENTS FOR ABM PURPOSES...IS PROHIBITED.

According to the U.S. Army Strategic Defense Command's description of the STARS program that appears in the DEIS and other information provided by Sandia National Laboratories...IT STRONGLY APPEARS THAT THE STARS PROGRAM IS TESTING OF NON-ABM COMPONENTS FOR ABM PURPOSES. But only a United States Court of Law could confirm or deny that - wouldn't you say?

Other relevant International Law which would apply to the SDI and to which the U.S. has a legal obligation - is the Outer Space Treaty (18 U.S.T. 2410, T.I.A.S. No.6347, 610 U.N.T.S. 205). The multilateral law governing anti-ballistic missile defense systems is from the Outer Space Treaty. The U.S. is obligated to restrict itself to PEACEFUL USES OF SPACE. The family of nations has reserved outer space for peaceful purposes - NOT FOR USE TO MILITARY ADVANTAGE. Obligations emanating from the multilateral Outer Space Treaty alone...could well determine the LEGALITY OF SDI. The "Brilliant Pebbles" space-based interceptor missile system...HARDLY OUALIFIES AS "PEACEFUL".

In closing this communication - we would prefer that the Army Strategic Defense Command, volunteers to INCLUDE A "REAL" LEGAL ANALYSIS OF THE STARS PROGRAM IN THE FINAL EIS. We prefer not to seek a court order that would mandate you to do so. We also prefer not to engage in a massive demonstration, that quite possibly would be the largest protest in modern history of Kauai.

One final comment. In 1988, President George Bush said: "We should abide by the ABM Treaty - and so should the Soviets". I agree with Mr. Bush on that. Do you?

Would you support SDI and STARS if they were illegal? If there are any questions, I can be contacted at: (808) 822-7787

Sincerely, Kolut Markusurki

Robert Macknowski President

cc: Garden Island Newspaper, Kauai Times Newspaper, Senator Inouye, Senator Recd, Mayor Yukimura, Lawyers committee On Nuclear Policy, Professor Ann Fagan Ginger WR74

#### TO THE U.S. ARMY AND S.D.I.

APRIL 4TH, 1992

n

You have enslaved the land and continue to grievously wrong a generous and graceful people.

You usurp and occupy our sacred ground, despoiling it with strategic schematics of destruction, tendering no reparation or rent - now you threaten to extinguish us completely, by exposing us to catastrophic result while dismissing and denouncing as unpatriotic those who would oppose your games of war and weaponry.

The boorish taunts and jeers of your pawns and minions sizzle like acid rain defiling fertile sensibilities.

I have heard the cacophonous howl of your war dogs, felt their hot coarse fetid breath against my cheek, and am sickened by the stench of their festering putrid sores rendering foul our gentle breeze. I shiver with the desire for your departure, to see our land cleansed of you and restored to the people.

Make this not your lair, leave go these horrendous designs of deadly consequence and doom - we are not your Dachau and desire not your rank dollars of deceit.

Repatriate our lands, restore our indigenous people, the Kanaka maole, divest your hold upon us and leave go your exploitative occupation of a sovereign nation neld wrongfully in bondage and thralldom.

Kalanikumai kumaka na ali'i hanohano.

witness my hand:

aka/ c. e. schimmelfennig lll

WR74 (cont.)

U.S. ARMY E.I.S. S.D.I. AT PMRF

March 24th, 1992

#### TEXT OF CITIZEN STATEMENT

I om known as Zacheriah Branch Harmony. I am a keike o ka aina, a parthawaiian child of the land, born Charles Edwin Kalanikumai Ku'umaka na ali'l hanohano Schimmelfennig III. I returned home to Kaua'i three years ago after 28 years a wayfarer in the Americas. I have learned about war and killing. I have worked well at many jobs and have educated myself in the ways of the world. I believe in and support self-determination.

My father and grandfather also were veterans. My grandfather, Carl Makauliuli o kalanikumai hanohano Schimmelfennig, was the great-grandson of Nakapa'ahu Kailipoloahilani, whose grandfather was Kailipoloahilani. My grandmother, Elizabeth Brandt Schimmelfennig, was the granddaughter of Isaac Kapuni'ai Hart, whose mother was Kahemanui.

My pike is planted in this land, at Koloa Landing, at my families former tare patch. I can count many of Kaua`i's o`hana as my relatives, and all of Kaua`i as neighbors.

I pray consideration and support be given those who oppose the strategic target system and any launches from Kaua'i. Their fears have not been calmed, they are not appeased, their doubts cannot be silenced with ridicule or shouts. There is too much at risk.

There are those here, who have a moral certainty, that the effects and hazards of the tests can and would, be catastrophic- endangering our precious small, fragile and unique habitat. There are many topics of concern, types of environmental issues, ozone depletion, air, water, life systems threatened, whales, airborne toxins, historical sites, uses of the land, neighbors - even the ownership of the land, 99 years since the illegal overthrow of a sovereign government, to say nothing of the consequences of human error.

WR74 (cont.)

Many of these voices represent groups, working hard in a last ditch struggle to defeat and prevent a catastrophe. They have considerations and opinions prepared with great reason and logic, of the risks — <u>yet another viewpoint that you are hearing tonight and tomorrow</u>, cannot be readily described in a logical, empirical, rational and linear mode of thinking, because it is visceral, "gut level", intuitive, and not epistilogically definable by western standards. The military complex is built on a systematized, mechanistic exploitation of resources.

Yet it is the way of our ains to caretake and nurture the resources, to replenish the land as it nurtures, replenishes and takes care of us. "Gut level" feelings, to us kelke o ka ains, is the na'so, our intestines, where our feelings are. Hawaiians are big on "gut level" feelings, they listen to them. That is why the hawaiian word for enlightenment is na'au so, and ignorance is na'au po.

"Gut level" - these SDI plans are not consistent with the living spirit of this land- they can destroy this land. Respect the traditions, respect these feelings, bring no strategic tests here.

I beg you to release the people of the Marshall Islands, give them back their land, their self-determination, their destiny. Restore them and bomb them no more. Bring no SDI tests here- say No Action as the alternative to Star Wars!

Mahalo... "On Man Ro En D Ro Allon E Ro Ponc The Lifebreath of the land will be restored when control is returned to kanaka ma'oli. the rightful heirs".

Kalanikumai Kumaka na ali'i hanohano, aka: Zacheriah Branch Harmony

Just Bot Harry

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

PMRF has been employing people
uithout Star Was rockets, and will continue
to To use unemployment scare takes to
generate support is an insult to the
people of Kanai

The War makers have trashed the

Persian bult, trashed so many beautifue

LCOSESTENS Around the World. This must

Stop. Do not bring you war machine
to our peaceful island. The Jolands of

the transfic have suffered long enough

for destructive missife programs Stop

Street Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

WR76

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Hy marme is pessive Steinwarho. As and Kaudi Resident, Educator, Cartist Day it is time for in All Military gravery property to people of them to come from a higher resign to join to getten to preserve our Planet - Lauri 6 me of the few places That Still has clean air and water, on the alpha spent what water to tampored with. I unge, pleasy what we it takes to Not lawred these Hisseld on this sound land - Draing into Atthe RF Creative rolutions take Care of that I change the place of the place of the sound of the place 
Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

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in order to

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Missle Lounching from the Island of
Kouri is the most inche, joke I have
herra yet! you cont be serious.
Why ruin such a perfect example
of pristing beauty with such
Sickening pollution. Don't you know
LOVE IS THE ANSWER.

PIEZSE PIEZSE PLEZSE

NO BOMBS/ROCKETS/dezdly Polson

New my home, which is the

Planet earth. Thankyou.

Name Rever WGRAM

Address PO BOX W55 HAVALE) HI 967H.

Chy/Sain/ZhpCodor

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR78

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### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Stars launching task on
Kanai Hawaii.

In particular of am uncern
that the military role on Kanai
is being expanded. Increasing
military activities on Kanai with
tarnish the image of Kanai
as the Garden Island.

Name FRED SNYDER Fred Snipe Address 3473 LAWALLOA LN, KOLOA, H Street Address Chy/State/Zip Code 96756

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR79

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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ACCIDENTS	.UT)	MHUVEN	, , ,
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		<b>-</b>	

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Jo to be the risk of an accident, is utteren rediculous!!

James has been known to many all over the world as PARADISE!!

Johny Risk it?

Name Darry Wagener

Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR80 To all Those Ot May Concern, This letter is written from the heart 1 all those who come to Kanai have the years. Her sacredness & beauty has

WR81

f, gaalbaa

Deputy Commander, U.S. Army Strategic Defense Command Huntsville, Alabama

April 7, 1992

Attention: CSSD-EN-V

Aloha D.R. Gallien,

As a resident of Kauai. I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missle testing on this island. It is simply inappropriate to the character and ambience which this island respresents in the hearts of people all over the world; beauty, harmony and essentially, and especially—peace.

At a time when we are donnating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. It's purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation; those businesses which would prosper greatly from selling the equipment required, and those military personnet who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

Sincerely,

Muda Carpenter

Mrs. Linda Carpenter

P.O. Box 3437 Princeville, Kausi 96722

> Fem and Linda Carpenter P.O. Box 3437 • Princeville, Kauar (95722 • (808) 826 9194

WR8

1

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS grossly understates the impact of an accident on the tourist industry together with devastating effects on the trugile islands eco system on land our and sea. The Draft EIS has no credibility.

Name GERA KORTE

Address 379 ILALO PL

KAPAA HI 96746

Street Address

City/Shate/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

Name: Wallace M. Kawane

Address: P.O. Box 170

Kalaheo, HI 96741

Telephone: (808) 332-8885

DOB: June 18, 1940

Occupation: Teacher/Administrator--Dept. of Education

Length of Service: 28 yrs.

Educational Background: BSE, KSTC 1962; MSE, KSTC 1966

I was born and raised on Kauai. Besides the experience gained with the U.S. Army, Y.M.C.A. of Kauai, and the DOE, I also had the opportunity of working for the Dept. of Land and Natural Resources as Camp Director for the Youth Conservation Corps for four summers and also to be trained at Asilomar which is located at Monterey, CA.

Since the 1960's, when the PMRF and its various agencies, and activities appeared on Kauai, there have been no adverse effects to Kauai's environment. The PMRF should be commended for its efforts at keeping the entire part of Kauai under their control in the condition it's in.

The bird sanctuary located adjacent to PMRF's facilities, which was built by the DLNR, shows no ill effects from activities conducted by the PMRF. However the same cannot be said of the activities being conducted by private enterprises on the North Shore (Especially). Leptospirosis and hepatitis warnings seem to be the standard for any of the fresh water environment in that part of the island.

I recall the sense of elation my family and I felt when the Patriot Missile proved itself in combat against the SCUD. What would have been the outcome of the Gulf War if weapons like the Patriot + "Smart Bombs" were not in existence?

There was saying I learned while in the Army, "For those who have never fought for it, life has a flavor the protected will never know."

And yet, I noted one day, a bumper sticker that read, "No Rockets."

Why not, "No commercial boating in the Hanalei River, No commercial windsurfing at Anini beach, No Commercial kayaking at Polihale, and No commercial tours into Mohihi?"

#### WR83 (cont.)

1

It is not programs like the proposed SDI that threatens our island, it's the people on the island. If all the development had been stopped in the 1960's Kauai would not have the traffic problem that exists today. Same goes for the boating problems, and the other negative impact of activities on the North Shore.

In conclusion I approve of the SDI project and the activities of the PMRF. I also applaud their efforts at trying to be a vital part of our island economically, socially, and environmentally. I am sufficiently satisfied that the Draft EIS provides the assurances that our island is safe from the hazards brought to light by various activist organizations and individuals on Kauai.

10 APRIL 1992 KOLOA, KAURI-HAWAII

DEPUTY COMMANDER U.S.A.
CSSD-EN-Y (D.R. GALLIEN)
P.O. BOX 1500
HUNTSYILLE, AL 35087-3801

RE: STAR WARS I AM FOR THIS PROJECT

FIRST, IN ORDER FOR THE UNITED STATES TO REMAIN FREE AND TO PURSUE IT'S GOALS IN THESE TROUBLED TIMES, IT MUST HAVE AT IT'S IMMEDIATE DISPOSAL A STRONG INTEGRATED HINTARY FORCE EQUIPPED WITH THE HOST MODERN AND UP TO DATE MILITARY HARDWARE WITH WHICH TO ACCOMPLISH ITS MISSION OF DEFENDING THESE UNITED STATES, THE STAR WARS PROGRAM, WITH ITS LATEST TECHNOLOGY AND EQUIPMENT, IS A STEP IN THAT DIRECTION. WHILE RUSSIA IS NO LONGER A MILITARY THREAT, THE SEVERAL BREAKAWAY COUNTRIES WITHIN THE SOYIET REPUBLIC, SOME ARMED WITH MILITARY NUCLEAR HARDWARE THAT ONCE BELONGED TO THE SOVIET UNION, ARE A THREAT TO WORLD PEACE. THEREFORE, SOPHISTICATED WEAPONS SYSTEMS, SUCH AS STAR WARS, ARE NECESSARY TOWARDS KEEPING AMERICA STRONG AND FREE IN THE YEARS THAT LIE AHEAD.

#### WR84 (cont.)

SECONDLY, ON A MORE PERSONAL NOTE, THE STAR WARS PROGRAM AT PMRF MEANS EMPLOYMENT FOR MANY RESIDENTS OF KAUAL. KILL THE STAR WARS PROGRAM AND YOU WILL INEVITABLY EXIMINATE THE ALL TOO PRECIOUS JOBS WHICH PMRF PROVIDES THE MANY PEOPLE-OF KAUAI. IF THE ISSUE IS THE POSSIBLE THREAT TO THE ENVIRONMENT, ONE SHOULD REMEMBER THAT IF WE LOSE THE NEXT WAR BECAUSE WE DID NOT HAVE THE RIGHT EQUIPHENT THE ENVIRONMENT ON KAUAI WOULD HAYE YERY LITTLE MEANING AS WE WOULD NOT BE PROUND TO ENJOY IT. SO, IT'S BETTER TO "BITE THE BULLET" NOW, RATHER THAN LET AN ENEMY TAKE THIS LAND AWAY FROM US BECAUSE WE LOST A WAR - WHERE STAR WARS MIGHT HAVE MADE (A) THE DIFFERENCE

PMRF = PACIFIC MISSILE RANGE FACILITY - BARKING SANDS KEKAHA, KAUAI, HAWAII 96752 -0128

Winona D. Barringer

WINDUM D. BARRINGER
AMERICAN LEGION AUXIZIARY
HI - KAUAI - UNIT 2
3113. D POIN RD.
KOLOA, HI 96756

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

2m very concerned about the future of Kaual, the Bland is already killing the impact of people + vais + from by predicts of whote. The star war program will only compound these problem much more. I am very very opposed to star wars in your and they rechets that are the ign. bld shom kaual, the thought scarcer me.

Also other new on kaual, star wars will compound they problem. I also am will composed the hulandous decreated that a star wars will a star wars will a star wars of the hulandous decreated that a star wars program would bring. Please stop it name Beldey, Mansfield

Address Pax 1344 Analista II also 3-

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801 WR

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WRITTEN TEST MONY:

3-42

AHN: CSSD-EN-V OR, GALLIEN)

"homeland island-Kaciai to tell Once again I'm witing to tell Lerdad every informational Session + have reviewed all the naterials concerning this program & I continue same conclusions to come to. is project makes absolutely no sense. 'resu'lts are monclusive if this is an indication of how the There is cortain to be a tracic accident which would contaminate this irreplacedole little Island. One accident is too many The pristing environment which exist on Kauai today can not be matched in most of this alkerdy polluted earth. so keep these toxic chemicals off of the Gardon Island. And For at matter please figure out now to recycle all your programs because the time for peace is now! the time for (Registered voter) LAURA MCCUISTAN P.O. BOX 753 KAPA'A, HI

#### NANI ROGERS 4702 MAILIHUNA-ROAD KAPAA,KAUAI,HAWAII 96746

My name is Nani Rogers and I am a Kanaka maoli. Kaua'i is the only place I can call home.

I was raised to respect and to believe in the American way, and to do whatever they tell us to do. Well, I am sorry to say that after 52 years, I have finally opened my eyes to the truth. It's all a big farce. The U.S. government and military will do what ever they feel like doing, with no consideration for people of the nation. I no longer trust and respect our government. I want to be logged in the records that will be tallied for a count of people for and against as totally NOT for rocket testing on Kauai. Please for once, do not turn a deaf ear to our concerns, we are not ignorant to your ways, in fact, we're used to it, you've made us this way. You've been deaf to our needs and concerns ever since you overthrew our government of Hawaii and put our Queen in jail almost one hundred years ago. When are you finally going to ADMIT your BREACH OF TRUST and APOLOGIZE to our Hawaiian people? There are many valid and sensible reasons, as evidenced in previous testimonies tonight, that this Draft EIS is "EMPTY PROMISES OF SAFETY". You have complied to do this to make yourselves look like you really care, but its just a ploy to fool the people. You still have every intention to go on with the program. All you people with yellow shirts, when are you going to get the message right? Your jobs are not in jeopardy, just maybe your island? or maybe your lives and lives of your children? If you think the military would never do anything to harm you or your family, then you better take a good look at the native people, our Polynesian cousins that live on Ebeye Island. The military Stars program did that to them or what about the US Marines that arrested our Queen Liliuokalani and took our sovereignty from us. Wake up people, your family is in worse jeopardy than lost jobs.

WR87 (cont.)

1

Page 2 - Nani Rogers' testimony STARS hearing

STARS is something not in harmony with our island life. It is not "Pono", in perfect order. Without "Pono" our land cannot be perpetuated in righteousness as stated in our Hawaiian Motto, "UA MAU KE EA O KA AINA I KA PONO." (The life of the land is perpetuated in righteousness.")

Therefore, I will not beg, I will not ask, but I will demand that no further moves be made towards rocket testing on Kauai until all environmental issues are better reviewed, the Hawaiian lands issues are scrutinized and addressed and the people of PMRF be told the truth about their jobs, and the people of the Marshall Islands and Niihau be told that no rockets will not be aimed towards them. Believe me, we are NOT against PMRF, we value their work and their support to the people on the westside of the island. I speak in the name of PEACE. I truly believe it has to start somewhere, sometime so why not here on Kauai and why not NOW.

JUSTICE FOR THE HAWAIIAN PEOPLE!!!!!!!

#### KA LÄHUI HAWAI'I LEGISLATIVE RESOLUTION

November 8-11, 1991, Māui Session

Submitted by: Kaua'i Land Committee

TITLE:

A RESOLUTION RELATING TO THE STAR ROCKETS TESTING ON HAWAIIAN HOME LANDS, LOCATED AT

MĀNĀ. KAUA'I

Whereas:

This rocket facility uses Hawaiian Home Lands without due compensation for use of

these lands; and

Whereas:

2-95

There is a concern about environmental degradation due to rocket launches and injury

to natural resources and life forms:

#### THEREFORE BE IT RESOLVED THAT:

Ka Lahui Hawai'i opposes and bans this activity throughout the entire Hawaiian

archipelago.

#### Certification

This is to certify that the above resolution was adopted pursuant to the authority vested in the Legislature.

Mililani B. Trask, Kia 'šina Ka Lāhui Hawai'i

JAN 1 1 1992

Date

Resolution #91-11-2

WR88

STIGHTING GREENPEACE COUNCIL

#### GREENPEACE international

Keizersgracht 176 1016 DW Anisterdam The Netherlands Telephone (3D 20 5236555 Eax (3D 20 5236500 Telex 18775 GPINT NL

Date: April 9, 1992

To: Deputy Commander

US Army Strategic Defense Command Attn: D.R. Gallien, CSSD-EN

P.O. Box 1500

Huntsville, AL 35807-3801

Fr: Martin Gotie

Greenpeace Pacific Campaign Private Bag, Wellesley Street PO

Auckland, New Zealand

Ph. 64-9-776128 Fax 64-9-3032676

Re: Public Comment for draft EIS of the Strategic Target System (STARS)

#### STARS IS OBSOLETE

The Greenpeace Pacific Campaign is firmly opposed to the proposed STARS launches from Kauai.

Without an enemy there is no need for imaginary war scenario's like SDI and GPALS and the development of exotic weapon systems like Brilliant Pebbles, GBI, THAAD, ERINT, E2I, ERIS, GBR and Brilliant Eyes, for which STARS is the target.

Since no third world ballistic missiles can presently reach the US continent and targets between superpowers don't exist anymore, there is no military reason for STARS launches and the environmental damage, however small, especially to the atmosphere is unacceptable.

#### WHO IS THE ENEMY

The proliferation of nuclear weapons and missiles to the third world will not be stopped by the continued development of missile defense and further refinement of offensive weapons.

STARS, the Strategic Target System, simulates an offensive missile force from an undefined enemy.

Who is the enemy?

Who will push the button to launch the real STARS?

GREENPEACE OFFICES ARGENTINA, AUNTRALIA AUNTRALIA AUNTRALIA CHICAGO ANADA CONTARRA DENMARK (RANCE INTERNICETATO ENTRA LOCEMICORE METERANDA NADARE MARIA A MENTANDANAN MERIKAN MENTANDAN ME

WR88 (cont.)

#### INSENSITIVE TOWARDS PACIFIC CULTURE

It is culturally inappropiate to launch from Nohili Dunes, which is the most sacred spot on Kauai for native Hawaiians and compares in cultural sensitivity with launches from the National cemetry in Arlington, Virginia.

The impact area for STARS is only a short distance north of Rongelap Atoll and a big snub to the people of Rongelap, who were forced to evacuate their land for the future of their children, because of serious contamination from previous atmospheric nuclear tests.

For the Pacific people their ocean is the greatest asset and their survival. It is wrong to use that ocean for the development of destructive weapons, to contaminate its environment and to make island nation economy depended on that activity.

The weapons are not designed to defend the Pacific, while the Pacific people have to pay the price of a degraded environment.

Previously the Minuteman I was used as a delivery vehicle for target payloads and launched from Vandenberg AFB in California until their numbers ran out.

Around 500 Minuteman II missiles will become obsolete after the latest armscut proposals.

Why is STARS still necessary when around 500 nearly similar missiles to the MM I are shortly available?

Is it because it's better to pollute the Pacific environment, rather than the Californian?

#### **ENVIRONMENTAL BRAIN DRAIN**

Too many talented scientists, who work on STARS and its related strategic and tactical defense programs, are drawn away from finding solutions to many immediate environmental problems like climate change, global warming and ozone depletion. A brain drain from the environment.

It is dangerous to have too many scientists, who know nothing else than how to develop and manufacture weapon systems.

R & D has to concentrate on environmental problems instead of defense, which already has an abundance in weapon systems and has lost its rationale for new ones.

WR88 (cont.)

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#### MISSILE PROLIFERATION

STARS adds to environmental problems and assumes an increase in ballistic missile threats from third world countries.

Non Proliferation is best served by full implementation of existing international nuclear disarmament treaties, the negotiation of a Comprehensive Test Ban treaty, the creation of an International Space Launch Agency, a ban on Missile Tests and prevention of missile technology transfers.

#### STARS. ANOTHER OZONE DEPLETER

The depletion of the ozone layer is one of our greatest environmental threats. Even if we stop the use of all ozone depleting products now, the process of depletion will continue.

It is an act of great irresponsibility and disrespect for life by the Strategic Defense Command to release Freon 114B2, a brominated fluorocarbon, straight into the stratosphere, where its depleting potential is the greatest.

4

The environmental dangers from these activities are greater than the possibility of any country attacking the USA, the very reason for which STARS missiles are required.

The United Kingdom Stratospheric Ozone Review Group concludes in its "Stratospheric Ozone 1990" report to the Department of the Environment and the Meteorological Office that bromine has a much greater potential than chlorine to act as a catalyst for the removal of ozone throughout the stratosphere.

Currently 20-30% of the Antarctic ozone depletion is attributed to bromine and there is concern that bromine may be even more important for ozone loss in the northern hemisphere in the future.

There is also enough evidence that exhaust gases from thousands of solid fuel rocket launches destroy the ozone layer. The US Space Command in Colorado Springs estimate 1500 launches of all types in 1989 alone.

In March 1990, a panel of the National Research Council of the National Academy of Sciences, which advises the Federal Government, called for a switch to liquid propellants, saying this would eliminate rocket-born pollution of the atmosphere.

ClibPDF - www.fastio.com

WR88 (cont.)

#### **ROCKETS. FUEL AND TOXIC WASTE**

The manufacture, testing, launching, refurbishing and dismantling of rockets and missiles is according to many records a very toxic business, which will require billions of dollars to clean up.

Aerojet and Hill Airforce base are both on the Superfund National Priorities List. United Technologies Rocket plant threatens a nearby public reservoir with carcinogenic trichloroethylene (TCE) leaks and burns solid rocket propellant in open pits.

No assessment has been made as to how the Polaris A-3 rocket motors will be refurbished. Will the solid fuel be replaced and if so what will happen to the old fuel? Will it be burned in open pits at United Technologies as has been the standard practise?

More than 1500 US DOD sites have been recognised to contain toxic waste and according to a 1989 department estimate DOD continues to generate 900 million pounds of hazardous waste annually, yet environmental restoration is only 0.4% of its total budget.

The GAO report on toxic wastes from 600 overseas US bases has been classified, an indication that the problems are serious.

How can a proper EIS be issued, when previous malpractices are classified and the public won't know what the real consequences of the military toxic problems are.

The US military is the worst single polluter in the world, yet secrecy clouds the real consequences on the pretext of national security.

The biggest threat to the future planet is a degraded environment. National security is best served by cleaning up the mess, instead of adding to the problems.

#### **DEBRIS IN THE OCEAN**

There has yet been no environmental impact statement on the dumping of debris from missiles in the Pacific Ocean.

Since the SDC makes no attempt to retrieve the debris, this has to be classified as dumping.

The STARS missile and payload will be destroyed when there is a system malfunction and most debris will then subsequently be dumped into the ocean. WROS (cont.)

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Success or failure, the 1st, 2nd, 3rd stage and the payload of the target missile are dumped into the Pacific Ocean, as are the parts of the defensive missile, which will be launched against STARS.

The "Convention on the Prevention of Marine Pollution by Dumping of Wastes and other Matter", the so-called London Dumping Convention from 1972 recognises that the capacity of the sea to assimilate wastes and render them harmless, and its ability to regenerate natural resources, is not unlimited.

The EIS should state the exact content of the debris, quantities and how much this will add to debris previously dumped during missile tests.

Thousands of missile tests have taken place in the Pacific and each time, solid and/or liquid waste is dumped in the ocean, without a statement on the environmental impact.

#### **NOTICE TO MARINERS**

There is a standard practise to issue Notices to Mariners during missile tests, which usually only indicate the impact areas for missile stages and payloads.

8

How do Mariners know when a missile is destructed in flight and where the resulting debris will come down?

A warning zone for the complete flight path should be issued to ensure safety, because potential debris could be dumped into the sea over the entire area from launch to impact.

#### CONCLUSION

STARS is of no strategic importance, it will damage the atmospheric, land and ocean environment, it is insensitive to Hawaii, it will continue the reliance of the Marshall Islands economy on US missile tests, it creates a warzone on the free high seas and endangers our common future generation.

Sincerely

Martin Gotie

LET KALAMAU
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MICHAEL MOOK
V-President
BUE ANN K. CHAR
Secretary

KEROA KALAMAU Treasurer

PATRICIO IJCAYAN JR. Sgt.-At-Arms



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"E Hana Kakou Me Kealoha Pumehana Na Kamalii" (We work for the love of our chikhren) P.O. Box 1104 Wakmen, 111 96796 Telephone: (908) 335-3697

March 25, 1992

#### STAR WARS PUBLIC HEARING

#### WRICTEN TESTIMONY

Kauai War Memorial Convention Hall

My name is Mrs. Lei Kalamau, a Native Hawaiian on the Dept. of Hawaiian Homelands (DHHL) Waiting List and President of the Aboriginal Native Hawaiian Association, Mokupuni O Kaua'i A Me Niihau. I'd like to ask everyone here tonite to forgive me if I burt anybody's feelings in the past or in the future. I'll try to be more careful from this day forward.

This is the purpose of the Hawaiian Homes Commission Act, 1920 as stated in the Hawaii Revised Statutes, 1991 Supplement, Volume 1, Title 1A:

PURPOSE: "The Congress of the United States and the State of Hawaii declare that the policy of this Act is to enable native Hawaiians to return to their lands in order to fully support self-sufficiency for native Hawaiians and the self-determination of native Hawaiians in the administration of this Act, and the preservation of the values, traditions, and culture of native Hawaiians."

We make up a group of native Hawaiians from West Kauai and Niihau who are wailing their turn to become home owners and pay our rent to our own mortgage.

Our parents not rich enough to let us \$10 to \$20 thousand dollars to make a down payment to buy our own home. Our upbringing was so different from you who are so fortunate to own your own homes. So we have to rely on DHIL as our last chance of owning our homes. Right now, we have no opinions or solid facts for us to shift gears in to Sovereignity. So we have to stick with DHIL.

Some of us are on Medicaid, but so what. They have their reasons. Who are we to say "Go work", when we don't know why they're on Mediciad anyway. I pay Federal and State income taxes too. If they need the money, only God knows why. I let Him judge them. But these people are my friends, and I know deep in my heart they need the money. Those who are mis-using Medicaid, their conscience will tell them so. But I work hard to help, and that's all I need to know.

My family live in Hanapepe. I work in Waimea. My family consist of my husband and I as we have no children. I consider myself an aunty to any

#### WR89 (cont.)

Page 2 Star Wars Public Hearing Written Testimony Kauai War Memorial Convention Hall March 25, 1992

other child of young adult 1 come in contact with, because of their fresh young lives ahead of them. I want to help them live a fruitful life and give them hope for their future. I made my mistakes, so I want to help them avoid unnecessary waste of their time. If I accomplish this fonite, then my work upon this earth will have never been in vain.

CNOTE: At this point, I was halted from proceeding with my testimony as my 3 minute time Himit had been met.

June 1990 ( Lestified at Kekaha Neighborhood Center Star Wars Public Hearing. Commander McFeely at the time was in attendance. I came away feeling that employees had nothing to worry about. The Star Wars program would have no effect on PMRF. I testified that I didn't want missiles to come to my house if I was to be awarded land above Polihale. That location is where the available lands are for DHHL West Kauai and Niihau cligible native Hawaiians. Way, way inside. We don't want to live at Anahola because our lifestyle is on the west-side.

A few months ago, we went before the Kauai County Council to testify and we found that a missite that should have landed near or on Ka'ula Rock, landed near or on Nilhau. My friend was there on Nilhau at the time so I believe him.

A few days or a week after that testimony, those who are for the Star Wars program went to testify before the County Council that Star Wars program should be permitted to come here.

So I called DHHL and expressed to them this Star Wars issue to them, and suggested they investigate available lands in Waimea, Hanapepe, Kalaheo and as far as Lawal maybe, just so the employees at PMRF won't be so fearful of losing their jobs. I expressed to DHHL that it is not our intention to make trouble, we have to live together with each other. And so we and DHHL are still keeping in touch.

If the employees at PMRF fear losing their jobs, be assured there will be a rippling effect in Walmea. And that's me too. I love my job. For months I worked late so I could keep my desk clear. I never claimed overtime pay unless it was approved prior to working late. For two reasons, the practice of working late had to be terminated. Those reasons do not come from me, for if I could, I would continue to work late. That's how much I love my job.

March 18, 1992 Kauai Times, PMRF's Commanding Officer Capt. Robert Mullins states, "To speculate that cancellation of the STARS program for whatever reason would have the drastic effect of leading directly to closure of PMRF would be overstated. The future of STARS and the future of PMRF are separate issues."

If so many employees fear losing their jobs, then Commander McFeely and Commander Mullins were lying to the newspapers when they say STARS have no effect on PMRF.

#### WR89 (cont.)

Page 3 Star Wars Public Hearing Written Testimony Kauai War Memorial Convention Hall March 25, 1992

That's how I received my information, that no one was going to lose their jobs. I appreciate the Commanders said nothing of jobs, but the intimation that closure of PMRF says to me, my friends will still work at PMRF because PMRF is not going to close at this time, because of Star Wars.

I believe the Commanders. So with my Aloha Spirit, if that's what they said, I aloha'd them and take them at their word. If they lying, see how hard the next time they tell me something, I not going believe them. I not going believe Senator Inouye's Press Secretary in Washington too. Same when the Army has statistics showing not too much missile mistakes, but my friend saw that missile mistake with his own eyes, so to this day, hard to believe the Army or Navy. That incident is so well imprinted in the minds of those young children at the time, to this day, they can still remember the effect of that missile mistake. It's like being raped as a child and still feel the hurt as an adult. So we live by the words you tell, and we give our aloha to Commanders McFeely and Mullins, Senator Inouye's Press Secretary. We are careful because it's very hard to give our aloha away a second time around, although we are taught to forgive otherwise how can Father in Heaven and His Son, Jesus Christ forgive us.

Somebody has to clear these two different versions of 'not losing their jobs' and 'losing their jobs' because these stories don't match. Which story is fact and which story is opinion?

A question was asked last night that bothered me to this moment: WHAT DO YOU HAVE TO OFFER US?

This question referred to we who are opposed to Star Wars. If in case employees lost their jobs, what have we to offer the employees.

#### HOW ABOUT GOING HOME TO WHERE YOU WERE BORN?

We on the DUHL Waiting List West Kauai and Nilhau had every intention to work along side the Homesteaders who have their home in Kekaha and Anahola. But when we were told we cannot vote because we are not leasees, we can come and listen, maybe have voice, then take this information back to our membership, we had no choice but to separate ourselves so that we could make a difference with our vote. Homesteaders also said when they were on the Wailing List like us, they had to wait 10, 20 years until they got awarded lands. Can you Homesteaders honestly ask yourselves, do we have 10, 20 years to wait like you did? Are you asking, no felling we adults, our children, our young adults they have to wait because you Homesteaders had to wait? Is time an element we can play around with anymore? If I ever become a Homesteader like you. I will never stay in my home and make Waiting List eligible, native Hawaiians, like you, wait because of the attitudes you have toward us. You can be sure, 1'll be out there helping those on the Waiting List as we now are doing to accomplish the awarding of DBML lands. This Hawaii is where we were born too, this is where we belong.

#### WR89 (cont.)

Page 4 Star Wars Public Hearing Written Testimony Kanai War Memorial Convention Hall March 25, 1992

So back to the question, "WHAT DO YOU HAVE TO OFFER USY when our own people separate us from having our own home too?

President Bush is no help. Mr. Francis E. Harjo, Executive Director, National Commission on American Indian, Alaska Native and Native Hawaiian Housing in Washington D.C. submitted a proposal to request from Pres. Bush to include in his budget, funds to send to DMHL. Evidently native Hawaiians do not score as high on his budget list as do the Billions of Dollars that go to Military Programs.

Congress is no help. Governor Walhee, DHHL Director Hoaliku Drake, SCHHA Chairman Kamaki Kanahele, Senators Induye and Akaka, Militani Trask went to Washinton D.C., February 6, 1992 to testify and remind the Congress of United States of the purpose of the Hawaiian Homes Commission Act, 1920; the responsibility of Congress towards this Act; and request money for DHHL. If cannot fund DHHL, my suggestion is then, throw away the Hawaiian Homes Commission Act, 1920, get all the Homesteaders out of their homes, off the land, and ALL native Hawaiians start brand new. No native Hawaiian definition, no DHHL, no discrimination. My parents, brothers, sisters, nieces, nephews, annty's, uncle's, cousin's, DHHL Waiting List Applicants become

But history tells on January 17, 1893, Oueen Elfinokalani had to give up her throne. You cannot erase that nor can you erase the hadle sugar planters and Honolulu Businessmen taking control of the affairs of the monarchy because the Queen would restore some of the former monarchial powers of the rulers of Hawaii that was now the cause of increasing concern among the foreign element. The countvance of Queen Liliuokalani's dethronement left the real casualty to the Hawaiian people.

Following the Hawail Delegation testimony in Washington D.C., the Dept. of Interior declared funding DBML is <u>DISCRIMINATION</u>.

And my friend who asked the question, "WHAT OO YOU HAVE TO OFFER US?" He live on Hawaiian Homestead land, is Caucastan (Haole), his wife a leasee (or his mother-in law), they have a beautiful home on that land, while we still wait on the DHHL Waiting List. My friend, I love you, your family, your group you represented and I don't mean to pick on you, but, we too, on the Waiting List are hurt, fed up, andry because we cannot have what you have, our own home too, on Hawaiian Homestead land.

In conclusion, the DHHL has been in existence for 70 + years. How can and Why should you expect us to allow you to expand your programs to include Star Wars on Kanai when we on the DHHL Waiting List cannot get a parcel of land for each eligible native Hawaiian on Kanai.

#### WR89 (cont.)

Page 5 Star Wars Public Hearing Written Testimony Kauai War Memorial Convention Hall March 25, 1992

Why should we allow a piece of steel metal take precedence over we human native Hawaiians born in Hawaii. Don't you know God created this earth for the habitation of His children, not the habitation of steel metal like that missile? The Congress of the United States and President Bush is withholding funds to DHML, who can develop lands and enable native Hawaiians to return to their lands. BUT THE MISSILE MORE IMPORTANT?

#### WHAT DO YOU HAVE TO OFFER US?

How about more than 3 minutes to bear a full testimony as this one?

Why don't you help us tell President Bush don't be stingy, release the funds to DHHL for the native Hawaiian people and all other natives that have been abused in their own homeland by the United States Government?

Why don't you help us tell Congress and the Dept. of Interior if DINIL is discriminatory, they inherited the deeds of previous administrations that caused this discrimination. either they go forward and fund this discrimination practice or they discontinue it and get all the Homesteaders off the land so that we ALL don't have land. My great ONLANA of native Hawaiians and myself end up homeless in our own land of Hawaii.

Why don't you tell those Homesteaders that we have our own mouth to talk for ourselves and just because you are a leasee, doesn't mean you have some kind of power over us. Our vote is important, we are important, we have native Hawaiian blood running through our veins too.

Captain Mullins, you are a nice man. Your statement however has no guarantee as felt by employees who fear losing their jobs. Missiles making no mistakes are not a guarantee. DHHL funding to Kauai and Niihau Waiting List Applicants is not a guarantee, <u>SOON</u>. You know what is guaranteed? <u>DYING AND PUTTING THE STAR WARS PROGRAM</u>. THAT IMPORTANT MISSILE ON PMRF.

The day an unfriendly missile drop down on Kauai or Niihau, Kwajelein Atoll, Ebeye Island, Marshall Islands, would definitely put an end to all of our miseries, trials and tribulations. And then can I express to my Father in Meaven, "I GAVE IT MY BEST SHOT!"

I submit this testimony to the world in the name of Jesus Christ, Amen.

Respectfully submitted.

Mrs. Li Kalaman

Mrs. Lei Kalamau President WR90

April 10, 1992

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### COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM (STARS)

These comments deal with the alternatives mentioned in section 2.3 and are additions to my comments of March 7, 1992. Two alternatives involving launches of Minuteman boosters from Vandenberg Air Force Base should be discussed in more detail.

1) On page 2-37 it is stated that, "Minuteman I and II boosters have START Treaty limitations along with the Poseidon C-3. Furthermore, these boosters would have to be modified to meet all the mission performance criteria." Minuteman boosters have been used in the past and as recently as March of 1992 to launch simulated ICBM warheads from Vandenberg to Kwajalein so apparently it is possible to modify them to taunch experiments planned for STARS. There should be some discussion of the specific START provisions that would preclude using Minuteman I and II boosters for STARS and an explanation why these limitations did not affect previous Minuteman launches. (Recent press reports indicate that U.S. Air Force officials are investigating the use of Minuteman II rocket motors to launch objects for SDI experiments.) It should also be indicated how many Minuteman I and II boosters would be available for STARS.

2) Use of Minuteman III boosters for STARS is rejected because "test objects would not be able to transmit encrypted information when flown on a Minuteman III." More discussion is needed about the treaty provision which prohibits this for Minuteman III but allows it for Polaris. In addition, it should be explained why the information needs to be encrypted and how difficult it would be to transmit the information in a treaty-compliant manner.

midsel Jones
Michael Jones

Dept. of Physics and Astronomy
Univ. of Hawaii

2505 Correa Road

Honolulu, Hawaii 96822

WR91 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. I do not appeare of missile testing on I auestion the Number of Jobs to be these people on this island? Address 2781 Street Address Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

P.O. BOX 165 PUHI, HI 96766 APRIL 11, 1992 SUPPORT PMRF. SINCERE LY

To whom it may concern -Tam for PMRE however, I am against Star Wars.

Pecce mole.
Ronald M. Oda Lime H. 96766

#### Written Comment Sheet

#### Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am visitina Kaugi from Britain three months. I have travelled around the world and find Kanai one of the most beautiful, unspoilt places. I was horrified to hear of your plans to use this gorgeous island as a launching base. rocket People are homeless and starving in America. Your economy is collapsing, as it is in Birtain. How can non ever

justify spending money on "Star Wars As Gorbacher was quoted saying in "Time" magazine: "It is Star Peace we need; not Star Wars! M178 Hili Street, Lihue, Fauai, HI

City/State/Zip Code

96766.

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

ClibPDF - www.fastio.com

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THIS PROGRAM CAME INTO IFFECT. IT WOULD BE A SEVERE SHAME TO SEE CHEST THE COURSE OF SHAME TO STAND ON THE BEAM CAME INTO IFFECT. IT WOULD BE A SEVERE SHAME TO SEE CHEST OF THE UNITED BE CONSIDERED THE UNITED STAND OF KAMAL BECOME A LAMBER OF SHAME TO SEE CHEST OF THE GLAND OF KAMAL BECOME A LAMBER OF STAND OF STAND OUR CHILDREN.

Name Kathy MCLO and Cowan

Address TO Pax 627 Karaa Li (16746)

Struct Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR96

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#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a resident at Kning ber 15 years and

Mother of 2 2008 children, 1 115

apposled that It is being suicidered

on an island of this population. I 
Say French

Kouai, HI 76746

Name Sally French

Street Address

Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR97 Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. TABLE 2-3 SUMMARY OF ENVIRONMENTAL IMPACES ... ON PP 2-39 \$ 40 IN THE DRAFT EIS FOR THE STRATEGIC TARGET SYSTEM IS NOT QUALITATIVE AND APPRAES TO BE INTENTIOUALLY VACUE. THE ASSERTION THAT THERE ARE "NO SIGNERCHUT IMPACES ... TO GEOLOGY & SOILS, WATER RESCURCES, AIR QUALITY, BIOLOGICAL RESOURCES, CILTURAL RESOURCES, LAND USE, YISUM RESCUECES, NOISE, HAZAROGUS MATERIALS & WOSTE PHOLIC HEALTH & SOFETY, INFRASTRUCTURE AND SOCIOECONOMICS IS OBVIOUSLY A THORSES CALL ON THE PART OF THE U.S. ARMY STRATEGIC DEFEUSE COMMAND, AND DOES NOT APPRILL TO BE BESTO ON ANY QUANTIFICATION OF IMPROT, PARTICULARLY IN CASE OF AN ACCIDENT. THIS LACK OF QUANTIFICATION OF IMPACT INSULTS THE INTELLIGENCE OF MISSIF AND PEOPLE ON THE ISLAND. QUANTIFICATION OF IMPACT ALCONG LOTTH A COMPARISON, TO A BASELINE IS NEEDED FOR EACH ENVIRONMENTAL PROCURCE THE OULY SPECIENC BULLFRIFT CATTON THAT WE CAN ATTACH STEAMFLEADER TO IN THIS DOCUMENT 13 THE CLAIMED CHARALL SYSTEM RELIABILITY OF 97% FOR THE BROSTER RELIABILITY OR PARE 4-53 WHAT IS INTERESTING ABOUT THIS IS THAT THE CONSEQUENTIAL CHERUL PERGRAM RELINGUIST FOR AD TEST LABOURES IS THEREFORE (974) 02 30%, USING A SIMPLE CALCULATION OF PROBAGO OF SUCCESS (97% MULTIPLIED TO THE 40TH POWER) FOR ALL LAUDCHES IN THE PROGRAM. THIS MEANS THERE IS A CONSEQUENTIAL TOY PROBABILITY OF AT LEAST ONE ACCURATE OCCUPING ONER THE COURSE OF THE PROGRAM, I BELIEVE THIS TO BE AN UNACCEPTABLE LEVEL OF MICK TO THE ISLAND OF KALLAI, BASED ON ANY DEASONABLE ARRESONS CRITERIA. Guette Bambar KALAHEO, HI 96741 Address 3695 WANA ROAD

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

# nothing wrong with this rocket

IT'S JUST JINXED

WR97 (cont.)

ClibPDF - www.fastio.com

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Karina M Farlat

Karime M. Farhet 1711 Ahi Ahi Pd Kapaa, Hi 96746

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April 8, 1992

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Sincerely,

Candan fo dohi

CANDACE TO AOKI

GENERAL DELIVERT

KAPAA, HI. 96746

April 8, 1992

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Paul Flessa

PAUL FIRSSA 14480 ALA RD KAPAA, KAWAI, HI 96746

WR101

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IRAJA SIVADAS P. O. BOX 607 HANAPEPE HAWAII 96716

Tue, Apr 7, 1992

Dear Senator Inouye:

As a two tour of duty Vietnam veteran, I feel it is my duty to express a threat to our national security. That threat is the STARS project. The possible threat of incoming missiles does not compare to the known threat of the damage done by outbound missiles fired from our own country.

Not only is the STARS project proposed for Kauai a threat to the islands environment it is a 75 billion dollar threat to the citizens of these United States where in this economic atmosphere that money should be used to support the people of this country. Spend money on projects like Head Start, or the national Mayors plan to clean up the cities, or any plan that is directed towards building this country up, not on the destruction of the ecology of Kauai. Thank you for your time and work in the Senate. I know that as a veteran you will work for the true defense of this nation.

Sincerely,

Cress Sivadas

Iraja Sivadas

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location # this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

bimberly Hopkins

Kimberley Hopkins 58cE Lokelanist. Kapaa, Hi. 96746 WR103

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april 7, A92

To: Senator Daniel Inouge & Mr. Randy Gallien

Dam expressing my concerns about the STARS while I am against the proposal. While I am against the proposal. While I am aware that our emuronment is already polluted with everyday emissions, exhaust to the pollutents, of feel that the emissions from the stars rocket launche will add to the problem. I do not want beautiful Kauai, my home for 36 years, further damaged of polluted. Please take into Lonsian ation, the feeling and wishes of most of the population of Kauai, to Keep it as it is.

Sincerely,
Rane Munaoka Rene Muraoka Po. Box 496 Horopepe, H1 96716 WR104 Dear President Bust : Please be advised as a small business man in the Constructa trade in the island of Kausi, Ian totally against the launching of muster on this small estant of 5000 people according to all the studies and reports, it has come to my attention that any launchy of missles is usafac as well as dargious to all people Concerned with the environment and truly is duranteiting to any one all Due to the changing would order led that the money appropriated This amostly cause coald be. epent on improving one world caviount Ralpl Rubio

WR105 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. April 4, 1992 Dear Mr. Gallien This letter is to let you how strongly I am opposed to the Stars Program on Kauai. I understand the need for a strong defense and am NOT opposed to PMRF However, after hearing of the AGE of these missles and the high possiblity of an accident; I can understand the militance of those opposed to these launches. And would be willing to put my self on the line in demonstrations blocking their launches. Please help us to stop these launches. Our Island is not the appropriate place to do these tests. Address PO Box 737, Kilauea, HI 96754 City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention; CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alahama, 35807-3801

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#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Attention Senatori In buye and Mr. Gallien,

We are writing to inform you that our family
and friends are deeply concerned about the STARS

project being located here on our island of Kauai.

While we do support PMRF our dissent is

Soley aimed at the Strategic Target System and

the impending regative theat to thousands!

This small island cannot chance even the

Smallot mishap — the result, as you know,

would be distatous!

We brossch you to support and protect us from any hint
of presible dange! Pleas bring to mind the definition of the

word wind "Accinent" —, "as unexpected mis fature". Thankou.

Address JAMES + DORRIE WINKIER, P.O. BOX 636, KHAUGA, KAUAI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntaville, Alabama 35807-3801

WR108 To whom it may concern, WR109

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April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Deborah Melendez 9.0. BOX 3 FEALTZ, HI 9675)

April 8, 1992

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Marchelle Deranleen P.O. Box 129 Kapaa HI 96744 WR111

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April 7, 1992

To: Scrotor Daniel Inoge and Mr. Randy Evollien

Community college and om currently doing a research paper on the proposed. Missik launches at PURF, Barking Sands. I have taken into consideration all the facts and as of today a am against the missile launching. Attnough I ful that we could benefit from some of the research done, I think it should be done somewhere else After all Kawai is a beautiful somewhere else After all Kawai is a beautiful allowed and not very big, Accidents do happen and it could have some diastic negative effects and it could have some diastic negative effects

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Anank You, Raguel Guerra 1420 Kanepoonui Rd Kapaa, H1 96746

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

P.O. BOX 629 KAPAA 96746 KAUA!

WR113

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April 6, 1992

TO:

The Honorable Senator Daniel Incuve

Mr. Randy Gallien

Proposed STARS missile launches from Barking Sands to Kwajalein atoll

I am a Kauai resident, teach at Kauai Community College, have read a fair amount on the SDI issue, and am strongly opposed to the proposed use of Kauai's PMRF as a launching site for missiles connected with the STARS program.

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Others have enumerated the shortcomings of the DEIS. My objection to the missile launches stems from my opposition to the SDI program itself. The "Star Wars" concept was built on an uncertainty, that the x-ray laser could effectively be used as an antiballistic weapon, an idea that physicist Edward Teller successfully sold President Reagan. I don't think it is worth the billions of dollars that will have to be spent to test the idea. I believe a strong United States is predicated on the proposition that Americans be critical thinking, well-educated, have a strong moral sense and a strong work ethic, and live in a healthy economy. The Soviet Union was militarily strong, but we have all seen how easily it crumbled. Why don't we learn from what happened there?

I am not opposed to the PMRF being on Kaual. I am against the tactic of linking the STARS project with PMRF's continued presence on Kauai. This is a very underhanded means of getting a questionable project accepted.

Thank you for your attention.

Joyce Nakahara

Joyce Nakahara

3176-A Akahi Street Lihue, HI 96744

<sup>&</sup>lt;sup>1</sup>See for example, William J. Broad, <u>Teller's War: The Top-Secret Story Behind</u> The Star Wars Deception, Simon & Schuster.

April 6, 1992

P.O. Box 676 Koloa, HI 96756

To: Honorable Senator Daniel Inouye Mr. Randy Gallien

Gentleman,

I am writing this letter to express my thoughts against the proposed STARS missile program on the island of Kauai.

I am against the program for the following main reasons:

First, access to Polihale Beach, one of the island's pristine fishing and recreational areas, will be restricted a minimum of fifty six days per year.

Second, in case of a rocket failure, the Hawaiian homelands, as well as the pristine Na Pali area near PMRF could be seriously and irreversibly damaged.

Third, I do not believe either the twenty-year old refurbished Polaris missiles are safe, nor the 10,000 square foot ground hazard safety area is adequate.

Fourth, the 360 kilograms of freon these missiles will release into the atmosphere every year, for ten years, is too high to be acceptable, when the ozone layer has already decreased 10% over the island of Kauai according to NASA researchers. What good will a "Star Wars" shield do over our heads if we are all suffering from skin cancer, cataracts, and immune system damage?

Fifth, during this time of economic recession in our country, I do not feel we can afford to spend billions of dollars of research into SDI, and would like to see my tax money put into education and researching alternate forms of energy.

And finally, I do not agree with perpetuating Kwajalein island as a missile testing site, which is going against the will of the Kwajalein island people, and has forced the relocation of 10,000 on to a tiny atoli.

I support the continued existence of PMRF as one of the premier underwater fleet training sites in the country. But I do not support this one missile program.

Thank you for listening to my opinions.

Sincerely,

My Eiser

MARY EISER

WR115

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4/6/92

Senator Daniel Inouye and Mr. Randy Gallien:

I am writing this letter to inform you that I oppose the STARS missle launches from Barking Sands. I am concerned for Kauai and the future of its people and land. I do not believe these proposed launches are in the best interest of Kauai. Thank-you.

Sincerely-

Gary Gulliksen

P.O. Box 853

Lawai, HI.

96765

4/6/92

Daniel Inouye and Randy Gallien:

Dear sirs, this is to inform you that I am against any and all STARS missle launches off the island of Kauai (or anywhere for that matter). Thank-you.

Sincerely-

Jaime Byrd

P.O. Box 853

Lawai, HI. 96765

WR117

| 1 |

April 8, 1992

Dear Senator Daniel Incuye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
- 3. Nohiil Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conclentious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Relaci Khoteva-Chana. Norani K. Kanowsi - Avana. 18927 Lekia pi. Kapaa, Hi 96746

I would like to know why "maniford" missle testing hallities are surrounded by 100 miles of forced land up no one allowed inside + part, where there "old" missles with likely age publicus will be blown off, abuts a town. "Hird-sight" will not be good enough here.

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April 8, 1992

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for the following reasons:

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Alison L Durn P.O. Box 706 Haralei, H1 96714

WR119

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April 8, 1992

Dear Mr. Gallien.

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and
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Pough thouson,
Po. Box 3236
Princeville, Kavai, 74 = 96722

WR120 April 8, 1992

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kausi for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
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Valene William

Valerie Williams 4796 Pelehu Road Kapsa, HI 96746-1851

Written Comment Sheet  Strategic Target System  Draft Environmental Impact Statement  ank you for attending this public hearing. Please use this sheet to provide us your written numents on the Draft Environmental Impact Statement for the Strategic Target System.										
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255 <u> </u>	Street Address	0 £ K	City/State/Z	p Code	<del></del>					
	Please	Deputy C U.S. Army Strateg Attention: CSSD-	or mail by April 13, 19 Commander ic Defense Command EN-V (D.R. Gallien) Box 1500	92 to:						

To Whom it May Concord? I Am westing this Cetter to expeas My Concern ABOUT the Newfor Missle Deogram based on KACAIS Westeen shore I do NOT think in anyway shape or form this system should be initiated, One several Points My Concern is Concertented: O The Military Should NOT take pareseasy Chances with Hauritan Lands or Adjacon peoperty. @ SDI OR ANY "STARS" DEOGRAM IS & AUNSTE of Money AT This point And won't work in A WAR Scenerio. 3) As An Avid user of the ocean for Paceentianic purposes, the closing of the base were for Pesting pupposes for so long of a time hor So many times cruses major detress-In Closing, Don't shoot Polyer of Any type of Freen burning Rockets on LAVAL, OR AUNwhere else- Coave our Island on a sunce time SCALE (ASSAMAS The Military) PMRF WILL be okny for what it is - No body wants to take Jobs Away, then again Nobody wants A burn out Aren for their back yord, think of it AS YOUR OWN backymen + you con see The point. Malalo Coma Marke Hana (EVH, 96714 (808) 826-6531

april 6, 1992 Sen. Dan Inouge x Mr Randy Gellien; I am against launches from Darking Sands to Kway win atoll, I do support local jobs for people working at PMRF. I am apposed to the STARS project. We are too small an island, too fragile an economy and would He unable to handle the dangers, the pollution. Our ozone layer is a serious matter, at a time when our faith in the government is at an all time low, this would be further evidence that this the lack of trust to justified. Pi. I never fail to vote. I follow the issues. WR124 DEAR SENATOR INDUYE, HAVING READ AND DIGESTED AS MUCH INFORMATION REGARDING THE PROPUSED SDI PROGRAM ON KAVA HE WE AND LAY OUR HANDS ON, WE THE CATEGORICALLY OPPOSED TO THE PLAN. IN FACT, GIVEN THE CURENT WORLD STUATION AND PRODUT DISCLOSURES ABOUT THE ENTIRE S.D.T. PROJECT WE AGE OPPOSED TO ITS EXISTENCE 10,000 MAKSHALL ISLANDERS RELOCATED TO A 65 MORE ISLAND! BILLIONS HUNDERDS OF BILLIONS, TRILLIONS ?) OF DOLLARS SPERT ON A PRUGEAM OF DUBIOUS NEED OR EFFECTIVENESS WHILE PEOPLE ARE ILL-EDILLATED UNDELFED, WITHOUT SECURITY IF THOSE IN FOWER CAN'T SEE THE NEED TO USE THESE FUNDS FOR THE SOCIAL 600D AT LEAST LEAVE DURHOME IN TEACE , WAY JEOFARDIZE KAUAI AND MAKE IT A TARGET? WE WILL BE FORGED TO CHOOSE BETWEEN STAYING AND EXPOSING NUESELVES AND OUR CHILDREN TO POTENTIAL PSYCHOLOGIAL AND PHYSICAL HARM, AND LEAVING THE ISLAND HOME WE HAVE GROWN TO LOVE. PLEASE DO WHATEVER YOU ON TO HALT THE PICCSEAM. AT THE VERY LEAST, KEED IT OFF KAUAI. YOUWILL THEIL BE KNOWN BY THE PEOPLE AS HAVING THE SAME COURAGE AS GOVERNOR CHOMO IN OPPOSING THE SHORLHAM NUCLEAR POWER PLANT IN NEWYORK YOURS IN HOPE, Bruce and Cyrolee Febring

Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Laws Marce Address Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Humtsville, Alabama 35807-3801

Dear Sins:

4636 Iwaena Loop Kapaa, HI 96746 April 3, 1992

Honorable Daniel Inouye, U.S. Senate Mr. Randall Gallien, STARS-DEIS Author

f write to you in continued support of my opposition to the proposed STARS missile launches at Banking Sends, Kauai. As I noted in earlier correspondence with Senator Induve, the choice of this site for these tests is inappropriate and potentially dangerous. I have long believed that this particular site should not be placed at such risk for these tests.

I have also stated in earlier correspondence to Senator Inouve that a strong and capable military defense is essential to the integrity of our nation. However, this commendable object does not to me suggest that we should use questionable means to achieve it. As is suggested in the enclosed Newsweek article (3/23/92), "A Safety Net Full of Holes," the SDIO "knowingly masked the program's failures and overstated its progress just to keep the money rolling." Obviously it would be unjustified to imply from this accusation that the STARS/PMRF program is itself a fraudulent enterprise, but it should be noted that their funding comes from the larger national SDIO budget. It seems obvious to me that at least a management audit of SDIO is appropriate at this time, and further that a suspension of STARS/PMRF is justified until such time as the SDIO affairs have been examined.

One of the Important considerations about the STARS/PMRF issue that has been circulating through our Island community is that essential jobs are at stake. I agree that the suspension of STARS/PMRF will be economically disadvantageous to our economy, but I think that the negative impacts from not going ahead with STARS/PMRF have been overstated, especially since the larger debate over our defense noise in the present and future are in such great flux due to the dismantling of the USSR, the end of the Cold War and the coming more restrictive budgetary affocations as the budget deficits consume more and more of our fiscal resources. This is a time for greater caution. This is a time of careful retrenchment. And, this is a time for carefully weighing the costs and benefits of STARS: I and many others argue that, in sum, the costs of STARS/PMRF clearly outweighs its benefits.

Thank you for admitting my opinions into your difficult deliberations; I believe that they are well founded. Please include the Newsweek article as part of my account, and if possible I would like physicist Aldric Saucier's related New York Times op-ed statement to be added for your consideration.

Dana Bekeart

Mr. Dana Bekeant A Son of Kauai

WR126 (cont.)

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S O C | E E I Y SCIENCE

# A Safety Net Full of Holes

After nine years and \$30 billion, new charges brand the Star Wars defense effort a fraud

dent Ronald Reagan described his vision of "intercept(ing) and destroy-(ing) strategic ballistic missiles before they reached our own soil . . . an effort which holds the promise of changing the course of human history. Nicknamed 'Star Wars." the defense shield would replace the terror of mutually assured destruction (MAD) with the promise of demolishing any missiles coming America's way. From the start, though, many physicists and military officers warned that Star Wara was technologically impossible Now, \$30 billion later, there's evidence that the Strategic Defense Initiative Office (SDIO). as the Star Wars command is known, saw the flaws all along -and knowingly masked the program s failures and overstated its

progress just to keep the money rolling in. Engineer Aldric Saucier, who was fired from the SDI program last month, described in an op-ed piece in The New York Times last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement and waste, abuse of power and the substitution of political science for the scientific method." He said SDI officials took money allocated by Congress for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the dollars gushing in. In an interview with News-WEEE. Saucier detailed allegedly faise statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates of between \$222 billion and \$1 trillion. He charged that SDIO kept expenditures off the books. destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems. Saucier, chief scientist for Advanced Technology and Architectures for the army's Strategic Defense Command, concludes that Star

t seemed like a good idea at the time. Wars will never provide In a speech ou March 23, 1983, Pres-au impenetrable umbrella against nuclear missiles.

his allegations, however, of government.

Battle stations: Doubts about SDI are not exactly new, however. From the beginning Defense Department advisers such as

physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield either defied the laws of physics or relied on weapons that could be easily neutralized by Soviet countermeasures. Defensive battle stations in space would be easily shot down. Missile killers designed to pop up into space when an enemy issunches ICBMs couldn't get aloft high enough and fast enough to intercept the missile before it spewed out multiple warbeads. Claims for SDI, says physicist Theodore Postol of MIT, have proven to be false and made without technical or scientific ment." Exotic new lasers, neutral- and charged-particle beams and electromagnetic rail guns, he says, all failed to live up to their billing.

This isn't news to some of the hot young physicists hired to build a nuclear shield. Elliott Kennel, a former air force nuclear engineer who worked on SDI in the mid-1980s, describes how, "by 1987, many of us

Pentagon scientists criticize Saucier's work and even question his sanity. SDIO will not comment on until the U.S. Office of Special Counsel, which investigates whistle-blowers charges, finishes its inquiry into Saucier's firing. As far as SDI goes, however, Col. Simon P. Worden, the program a deputy for technology, calls it "one of the best managed advanced technology programs in all

electron laser shoots at a mirror which reflects death beams at mis siles. Stalled; SDIO prefers Pebbles.

This \$1 billion free

and failed."

cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an impenetrable shield

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress s General Accounting Office, released last week by Rep. John Convers. SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. Taxpayers may not

The target Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop

56 NEWSWEEK: MARCH 23, 1992

ClibPDF - www.fastio.com



have realized it, but the billions of dollars were not going to buy Reagan's popular perfect defense. SDI switched course again

in 1990 with the introduction of Brilliant Pebbles, a program to develop an armada of

hundreds of small orbiting interceptors that would swarm toward incoming mis-

siles and destroy them by impact. In 1991,

SDIO conceded that Pebbles could protect

America only against limited (up to 200

warheads) ballistic-missile attacks from

anywhere (read: crazed Saddam-type dicta-

tors). Changing goals as it went along was

central to what Saucier calls the main point

of SDI: "to keep the research-and-development money flowing." That required secrecy. "If you keep all the technical data under wraps," says Kennel, "it's easy to keep it funded."

In fact, SDI has accred a few successes. In a 1990 test, a ground-based intercentor destroyed an unarmed missile. Of course the defenders knew when the missile was coming and from where; deliveries from Baghdad would not be publicized beforehand. The Defense Department denies that SDI's goals have changed. Rather, it savs that from its inception SDI was meant to "direct a research program that will provide the basis of an informed decision regarding the feasibility of eliminating the threat posed by ballistic missiles." Moreover, the Pentagon disagrees that deploying a space and ground-based defense system poses significant technological challenges. The complexity of the software required to coordinate Star Wars, for instance, is no more daunting than programs that control nuear reactors, it says. And in any case, argues SDIO, the system could operate with "minor errors or weaknesses." Of course, a missile defense that "doesn't work perfectly has failed completely, says John Pike of the prodisarmament Federation of American Scientists. New sukes: How does the

New sukes: How does the Star Wars calculus change now that the West has won

the cold war? The new justification for SDI is that emerging nuclear powers may not be deterred by mutually assured destruction. Even a single nuke from a martyrminded nation could bring a holocaust. Star Wars has a better chance against a small barrage than a huge one, but that does not necessarily justify space-based missile killers. Infrared warning satellites spied every Scud that Irsq launched during the Persian Gulf War. Those satellites, teamed with 100 ground-based interceptors located in Grand Forks, N.D., argues IBM's Garwin, "would be simpler and more effective than ... space-based interceptors." In part, that's because the Pebbles must hit a misaile dead-on in order to destroy it. Large antihallistic missiles

NEWSWEEK: MARCH 23, 1992 57

#### WR126 (cont.)

(ABMs) might be more effective. Dun't count Brilliant Pebbles out of the budget yet, though. Last week President George Bush nominated TRW executive Daniel Goldin to head NASA. Goldin worked on the Brilliant Pebbles contract at TRW.

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The perceived success of ground-based defense in the gulf war ratcheted up the SDI budget. Says a congressional aide who has followed SDI for seven years: "The TV images of the Patriot were worth \$1 billion to SDI." That's how much additional funding Congress voted for SDI last year, after three years of flat or declining appropriations. Yet a study by MIT's Postol questions the Patriot's performance. Writing this year in the journal International Security, he argues that the Iraqi Scude feli apart, as they homed in on their target, with no help from the Patriota. When Patriota that speci toward the fragmenting Scuds fired their warheads, the fireballs that resulted were mistaken for hits. His analysis of videotapes shows that Scuds flew by untouched The army contends that Patriots were 80 percent successful in Saudi Arabia and 50 percent successful in Israel.

Since Saucier went public, says attorney Jeff Ruch of the Government Accountabil ity Project, "people have been coming out of the (SDI) woodwork" with similar charges. Three congressional committees are launching inquiries into the allegations. Saucier has been reinstated in his job at SDIO pending review of his charges. Still, no one believes that a whistle-blowe can bring down Star Wars. President Bush has requested \$5.4 billion for SDI next fiscal year, compared with \$4.1 billion is 1991-92. Yet SDI competer for scarce dollars with other defense programs. In an era of shrinking budgets, says a congressional aide, "the people who are going to kill SDI are in the Pentagon."

> SHARON BEGLEV with DANIEL GLICE in Washington



Blowing the whittle: Physicist Saucier

Space-Based Lasers

More than \$1 billion

spent so far for X-ray and chemical

lasers. X-ray hasn't

worked; chemical

tacks the power to

kill missiles.

2-121

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

P.o. Box 129 Kapan, HI 96746

**W**R128

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April 8, 1992

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Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Debra Rawlins Debra Rawlins 4330 Laukona St. Lihue Kanai 96766

April 8, 1992

Dear Mr. Gallien.

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
- 3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious threats.

Alisin L. Dunn P.O. Box 706 Heralis, Hi 96714

WR130

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P 0 Box 3551 Princeville, Hi 96722 April 6, 1992

Mr. Randy Gallien

This is to inform you of my strong disapproval of any STARS missile launches from Barking Sands.

I believe the STARS program does not have the potential to serve as a reliable defence, and any money spent on the development of the program would be a complete waste of funds which could be better spent on domestic needs.

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I also helieve that even if the program were to be advanced, it should not be tested on Kauai, since it would pose a serious threat of damage to both valuable human and natural resources.

Sincerely,

Phyllis D. Graff

WR131 P.D. Box 1169 Hansiei Hl 96714

Aloha, My name is Mulosa Granda and imi 1) years old. I was born and raised on Kavai and I am 1 6 Kids. Earlier this evening i had not planned to speach but as i heard various opinions i became overwelmed with fear for our islands Of Kanai and Milhau. ... Starwars .. ... sounds like a game. I am taught to recycle paper, cams, glass, to not use sprayeans, styrofoam, to put litter in it's place and to Keep our beaches clean ...... le this a game or are we really smidedicated to protecting our environments and life style. Bielive it or not I often think about becoming a mother and even a grandmother. Am I wasting my time thinking that my children and grandchild will be as fortunate as I have been enjoying the puvity of Kauai. It seems to me that the Milatavics intentions for starwars are to further protect our nation. However we will be destroying our natural protection... our ozon

WR132

WR132 (cont.) When I close my eyes i imagen the ozone layer that keeps me warm at night, asafe cool shello on a hot day, and an airy clean wind for little growing plants and creatures. It saddens me to think Kanai could become just like any other undesireable place that so many of us has run a way from. What makes me angry is our tax money will be paying for Star Wags. I work for my money and I don't mind helping out. & Recently I watched a special about babies dying because their parents don't have enough \$\$ to get medical insurance. I was shocked to here America has one of the many highest infant death rates..... I want my money to go to saving those bables. I want my money to go to people who don't have a place to stay at night. I want my money to go to those people who wouldn't have dinner on the table and I want to go to Medical School

WR132 (cont.) go to people who place to stey at pright. my money to go to talley and for understanding being concerned for the changes that affect our world. But for myself and my brothers and sisters I will sav not that we don't understand or your concerned. It's just that we magnation terrified to face the . Our earth has become polluled, and will eventually destroy itself people don't stop and take a close look. Please look now. Whanksyon Ourearth is our home. Mahala Do we really want to send missiles through our home? Mahalo Melosa Granda 6433 Kawaihan Road, Kapaa, HI 96746

Miss Elizabeth Freeman c/o Responsible Citizen for Responsible Government P. O. Box 1440 Hanalei, Hi 96714 Fax (808)826-1788

Dear Miss Freeman:

Thank you very much for all the news and informations you sent me two days ago.

After reading some of the materials, I was really overwhelmed by the position that the people of Kauai, particularly the Mayor and her Council, have taken on the STAR/HDX missiles program. I would like to express on behalf of some Kwajalein landowners and Mr. Handel Dribo our full support and solidarity to the people of Kauai on this very important stand. We can only pray that more and more concerned citizens like you come to realize the kind of action that US government has practiced on small people in the facific. Your people have brought Christianity to our islands and we accepted the faith. Many of us don't understand why our home islands have to be used for milityary purpose! I believe that your government can make changes if concerned people like you continue to cry out.

Again, we would like to salute you and express our support, and pray that God would bless you in this struggle.

Sincerely, Julian Buklon

WR134



March 24, 1992

LETTER TO THE U.S. ARMY STRATEGIC DEFENSE COMMAND AND THE CITIZENS OF THE ISLAND OF KAUAI FROM ADAM J. HOROWITZ, U.S. CITIZEN.

As the Producer/Director of the documentary film HOME ON THE RANGE, I have had the opportunity to travel extensively throughout the Marshall Islands and witness first-hand the cultural and environmental devastation caused by United States strategic weapons testing. My film centers primarily on the effects of ongoing missile testing at Kwajalein, but during the course of production, I also visited Bikini Atoll and met many of the displaced Bikini Islanders, who have become known as the nuclear nomads of the Pacific.

In 1946 the Bikinians were told that the atomic bomb was being tested on their island, "for the good of mankind," and were led to believe they would return to their homes. But after 25 atomic and thermonuclear bomb detonations, Bikini Atoll is completely radioactive and will be unsafe for human habitation for generations to come.

The U.S. military began missile testing at Kwajalein Atoll in 1960, and since that time has evicted most of the Kwajalein Islanders from their traditional homelands and turned a tropical paradise into a nuclear missile test range and practice ground for World War III.

Despite the end of the cold war, missile and Star Wars testing at Kwajalein goes on, and the U.S. Army proposes to expand the testing by launching missiles from the island of Kauai in addition to the ongoing launches from Vandenberg in California. The military has said that the additional testing from Kauai will have no significant environmental impact. They have shown they will do anything to further their programs without any concern for the human and environmental consequences.

continued on page 2

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1



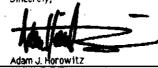
The Bikinians have lost their homeland forever. The 10,000 Kwajalein islanders are crowded onto a 65 acre island that has become a slum with conditions approaching those of a concentration camp. Like the people of Kauai, they were told that missile testing would not have any negative effects. But their homelands are off limits, their culture and traditions have been destroyed, and their future appears bleak. The U.S. government has been embarrassed into trying to improve the living conditions of the Kwajalein landowners, but the damage is too great, the problems too severe for Uncle Sam to mitigate any more.

The military always promises that their activites will not have any negative effects. But now, in our own country, we are left with Hanford, Washington and Savannah River, Georgia, two of the most contaminated places on Earth. We have seen thousands of Americans contaminated by atmospheric nuclear bomb testing in Nevada. We have seen Rocky Flats, the nuclear bomb factory in Colorado, closed down and investigated by the FBI for their flagrant and deadly abuse of the environment and the local inhabitants, and their lies about the extent of the pollution.

The military cannot be trusted. Missile testing at Kauai will surely have negative effects on this garden paradise that cannot even be predicted.

The military who has been entrusted to protect this country has destroyed countless places and countless lives in the name of national security. Their philosophy was best summed up by General Westmorland talking about a small village in Vietnam when he said, "We had to destroy it in order to save it."

Stop the missile testing. Covert the military-industrial complex to purposes that will benefit mankind.



#### WR135

TO: DANIEL K. INOUYE UNITED STATES SENATOR ROOM 722, HART SENATE OFFICE BLDG. WASHINGTON D. C.

FROM: FRED L. JAGER 1951 MUKU PL. KOLOA,HAWAII,96756

RE:P.M.R.F./"STARS PROGRAM"

DATE:APRIL 4,1992

DEAR SENATOR INOUYE:

THE PACIFIC MISSILE RANGE FACILITY (PMRF), AT MANA HAS BEEN A GOOD NEIGHBOR FOR TWENTY-EIGHT YEARS I SUPPORT THE EMPLOYEES AT THE BASE AND WOULD NOT SUPPORT THE CLOSING OF THE BASE.

HOWEVER, I DON'T SUPPORT THE "STARS PROGRAM "AND I FEEL IT IS COMPLETELY LUDICROUS TO EVEN THINK OF USING KAUAI AS A TEST SITE. I WOULD HAVE THE SAME REACTION TO THE USE OF YELLOW STONE, YOSEMITE, GRAND CANYON, JACKSON HOLE OR ANY OTHER PRISTINE ENVIRONMENT.

I CAN NOT BELIEVE THAT IN A TRILLION DOLLAR DEFENSE BUDGET THAT A PROJECT MORE CONDUCIVE TO KAUAI'S PRISTINE ENVIRONMENT. CAN NOT BE FOUND.

THIS IS NOT TO LESSEN YOUR LACK OF PROPER PRIORITIES. WHY WOULD WE CONTINUE TO SPEND THIS AMOUNT OF MONEY ON A PROJECT THAT HAS BEEN A COMPLETE FAILURE, IT HAS BEEN 10 YEARS AND NO POSITIVE RESULTS AND NO REAL STRIDES FOR MAN KIND, WE HAVE FAMILIES ON THE STREETS, WE HAVE PEOPLE GOING HUNGRY, WE HAVE LESS AND LESS OF OUR POPULACE THAT ARE GETTING A HIGHER EDUCATION, NOT TO MENTION THE FACT THAT MORE AND MORE CHILDREN CAN'T READ, I FRANKLY FIND THIS A GRATER THREAT TO OUR FUTURE THAN ANY OTHER COUNTRIES POSSIBLE HOSTILE ACT VIA A INTERCONTINENTAL BALLISTIC MISSILE.

ALOHA.

WRISE

Hornwal Hobert D-tammond

W.S. Atheny Strategic Defence Command

POBOXISSO
-transville, Alabama - 35807

To General Hammond, Se nator Den Inouse (fewris's own) and/or who stopping this sol madness.

The mustices which have been prepetuated on the people of the Island of Kurajakin in the name of STAR WARS define if REASON ALONE to hast the SDI program.

The CAN THE U.S xidge other governing bodies for human rights abuses when our own injustices continue human rights abuses when our own injustices continue human rights abuses when our own injustices continue human rights abuses when our own the Stands in the sound the program of the Marchael Belaids in the name of this. Sname of God's Rath will come breather this. Sname of God's Rath will come lown on your personally Caneral Hammond for lown on your personally. SDI 75 a waste of rescure.

The first program of shooting misules into the susence SDI threatens the interonment, The economy of the essence.

The onkaula of the Name. STOP the Madney!

Of the onkaula of the Name. STOP the Madney!

Of the onkaula of the Name. STOP the Madney!

All Do not find in support the SDI program at PHRF on kauai.

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REAL Life!!

April 4, 1992

Deneral Hammond

V. S. army Shagette Defence Command

Huntrick, Alabama

Siv:

Lam a war Veterax & tay paying

V.S. citizen. The SDI program is outrageously wasteful, harmful to the environment

Lychn general & its existence perpetuates

This program must be stopped!

Keep the SDI Program off of Kauai.

J do not west SDI muscles launched

Grom PMRF on Kauai.

Welconton

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Drake Smith 1.0. Dox 178

Kapaa 14 96746

WR139

1

March 24, 1992

1

Stanley E. Butler Save the Whales International P.O. Box 619 Kilaues, HI., 96754

On the proposed launch of Strategic Target System vehicles from PMRF on the island of Kausi.

Kausi, a sparkling gcm in the vast ocean. A separate kingdom, isolated and insulated from the cares of the world. Word has reached us however that Peace has broken out.

The need to consider the risks to wildlife, the environment and public health for reasons of "national security", are no longer legitimate. The idea of testing a project that is at once useless and impossible are ridiculous.

It is time to face the real threat to our security, the systematic destruction of our life support system. Few people today would argue that this planet and its inhabitants are in dire straits.

The US military is the largest single source of poliution and the greatest squanderer of resources on the planet!

We no longer have the need for developing or testing implements of mass destruction at any cost or possible cost, to our fragile planet and its inhabitants.

Hawaii is the Aloha State. Aloha is love, mercy, and kindness. Is "Star Wars", or for that matter any activity whose purpose is the taking of life the kind we want on the Garden isle?

PMRF had a budget of \$50.1 million in 1991. Would not that money be better spent restructuring the military to address the real threats to our security? Let us use our technology and enormous expenditures of resources on education, developing sustainable energy, environmental protection and rehabilitation.

In 1965, Adial Stevenson, in his last speech as U.S. Ambassador to the United Nations said:

We travel together, passengers on a little spaceship, dependent upon its vulnerable resources of air and soil, committed for our safety to its security and peace, preserved from annihilation only by the care, and work and I will say love, we give our fragile craft. We cannot maintain it half fortunate, half miserable, half confident, half despairing, half slave to the ancient enemies of mankind, half free in a liberation of resources undreamed of until this day. No craft, no crew, can travel safety with such vast contradictions. On their resolution depends the survival of us all.

Sincerely

Sta D.K

Stanley E. Butler
Save the Whales International

/R14p]	
The proposed SDF program at PMRF	
The proposed SDI program at PMRF 15 a sad statement of how the military treats	
people that live around it's bases. It is	
Frightening to me that the Pentagon can try	
to preson the majoril here not kneed	
to overpower the majority, here on Kanai, uno do not want these missiles launched.	
I leach at Hanalci School and I am	
La a facil for the files against and the	
1 so a fraid for the future generations to live In a world that is not concerned with protecting	
I'm a worka that is not concerned with protecting	
our environment. I feel the time 15 now to make	<del></del>
a stand against out moded, cold war projects that take us backwards instead of forward. We	
that take as backwards Instead of forward. We	
should chanse peace and a clean environment	
not war and destruction of our planet.	
I encourage the U.S. Army to abandon	
I encourage the U.S. Army to abandon It's plans for SDI testing on Kauai.	
·	
Della Addison	
P.O. Box 1481	
Hanalei, HI 96714	
	_
	_
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#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please be advised -	my judglement can-
corning the tecting of	
y Kavai is NO.	
• •	impact of a Catastrophic
launch on this soland . To	
of course, but should the	
what would the people do	
I think we should be	
presible sunario. Ihm	
the carriction of this. If	
are prepared to deal with	
encusive trauma to proj	
would reconsider my	
Name Sarria Karcera	
Address 5316 Janoshi Rd	Princepelle, Karear
Street Address	City/5tate/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

No 96122

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written

comments on the Draft Environmental Impact Statement for the Strategic Target System.

Als not approve of Missile teasting

On Kausi.

We are presently going through serious

discussions, & trying to Some to conclusions

concerning boots using the Handlei River.

Environmental impact is our shief concern.

Can you begin to imagine what the

environmental impact of a catastrophic launch

would be here on Kousi?

Af this island can not deal with a few

Johnse - what in the world carr it do with

Trussiles

Please give our beautiful island a little

Name Richard of fueica

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander

City/State/Zip Code

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

#### WR143

TO: Deputy Commander, U.S.Army Stratgic Defense Command
ATTN: CSSD-EN-V (D.R. Gallien)
P.O. Box 1550, Hunstille, Alabama 35807-3801

FROM: Carol Bain, P.O. Box 2320, Puhi, Kauai, Hawaii 96766.

<u>SUBJECT: Public Hearing Testimony delivered:</u>

March, 25, 1992, Lihue Convention Center, Kauai Hawaii

(written testimony below was delivered in part on above date)

"My name is Carol Bain.

Thank you, Lt. Col. Manguso, military officials and all in the audience for granting the three minutes to speak. Time is precious.

Thanks to the kind indulgence & cooperation of the military who are also providing technical services to allow the task of documenting this event on videotape to occur much easier. I am volunteering my time, tape and equipment in order to videotape this public hearing to allow it to be played back on public access TV. Particularly all of the individual testimony, and I commend you all for the courage to speak...I know its not easy, and because I am a volunteer tonight and not in the journalist role, my conscience tells me to speak. The reason I am putting this time toward the video documentation and subsequent playback, is to encourage an extended dialogue on the STARS SDI issue.

The United States of America was influenced during its most formative years by a free press, and our founders knew the value of an informed public: an informed public can be truly democratic. So, the more information the better.

By this time, a minute is up and you aren't sure whether I am an unpatriotic person who is threatening your job, or whether I am a tool of the military threatening the environment and lifestyles of the indigenous peoples of the Pacific.

Address

### WR143 (cont.)

I looked through the draft EIS, and the document is good because it shows the military paused long enough to write it. Though the document does not say present jobs at PMRF will be decreased, even their own employees don't believe the printed words as evidenced by their testimony here. It is not a matter of whether we all believe it or not, missiles are coming.

Who really knows why the military chose Kauai, one of the most beautiful islands in the Pacific, to try this strategic experiment with? And SDI STAR Wars is like the biggest toy a rich boy could own. A missile goes up from California and 4000 miles away is shot down or crashes, near Kwajelein atoll. And March 13, 1992, they lost one sent up from Vandenberg, when an interceptor missile launched for Kwajalein missed the mock nuclear warhead. Something went wrong. Evidently, the military knows it can do this extremely technical feat most of the time, and they should be proud of the accomplishment. It really is impressive. So now, the intent is to have a new launch site 2000 miles away and do more of this only from another angle. What can be learned from this knowledge? To see if Polaris Missiles are as old and dangerous as they look? Maybe we are testing a new launch pad, or the efficiency of a new angle of trajectory. Or if the rocket fuel, whose description on page 59 in the draft EIS should scare anyone who wants to live a long and fruitful life, can be shipped safely over the Pacific .

What we aren't told is: What are we going to learn about missiles we don't already know and is it worth the costs...on all levels? Maybe we could all pitch in to help if we could just be told why STARS on Kauai is so needed. It can't be merely to see if we can send a missile 2000 miles. But of course, I am not on the list of those with a need to know, and neither is anyone in this room. Could it be that this experiment is just to see if the people on Kauai, and the U.S., are gullible enough to accept and pay for SDI here?

### WR143 (cont.)

The missiles are coming. I and the rest of the media are here to take pictures of both the successful launches and the major malfunctions. And, yes, there will be accidents. And though I won't send the exploding rocket visuals to CNN, some journalist will. Visitors will definately cancel Kauai reservations. No one in their right mind wants to be around exploding, dangerous missiles?

I have delayed the launches by 3 minutes. I encourage you all to do the same. Thank you.

PS: Questions, other than those italicised above, I would like answers to. I could not find the answers in the Draft EIS, perhaps I overlooked them. If you could answer them I would feel less worried about all of this. Please send responses to Carol Bain, P.O. Box 2320, Puhi, HI 96766

1. Will Kauai residents get a timely (within 3 months) report on the failures as well as the successful launches at PMRF? What kind of report and what will be included?

2. I know you will try your best not to have an accident but if an accidental spill of any toxic fuel or other hazardous materials occurs, wouldn't it be too dangerous to ship the contaminated items/dirt or whatever back to the mainland? Would they be buried on Kauai in some "safe" place above the water table? Where will it be stored? Can it be marked so well so that 30 years from now we will not accidently build over it?

Carol D. Bain

2



6 April 1992

The Deputy Commander, US Army Strategic Defense Command, CSSD-EN-V [D.R. Gattien], P O Box 1500, Huntsville, AL 35807 - 3801, UNITED STATES OF AMERICA

Dear Sir,

We read with concern that the US Army Strategic Defense Command Intends to continue testing the costly Strategic Target System [STARS] programme from the Pacific Missile Range Facility at Barking Sands on Kauai Island, HAWAII. This would involve the launching of four missiles annually for the next ten years.

Undoubtedly it will be declared that this programme will have minimal effects on the environment because your environmental impact statement suggests this. Also with the end of the Cold War upon us, this programme will provide the defense industry with assured contracts and continuing employment and so avert a delicate political dilemma. Finally such a programme would be a technological point-scorer for the United States. Is this not all a very U.S. oriented scenario?

We of the Pacific invite you to extend your vision beyond your shores. These rockets will be aimed towards Kwajalein Atoli in the Marshall islands where they will test missile detection equipment. Kwajalein is the largest atoli in the world. It is home to some 3,000 US Servicemen and their dependents who enjoy a comfortable and secure lifestyle. Two islands away is Ebeye, a little over one mile long and seven hundred and fifty feet wide. This is home to 10,000 Marshallese, mostly displaced, some of whom are permitted to work on Kwajalein. This is all as it is so that the US Army testing programme may continue.

The Marshall Islands, Sir, consist of two parallel chains of atolls. The eastern chain is called Ratak, meaning Sunrise and the western one is called Ratik or Sunset. This 800 mile chain does sound like the original Pacific paradise, does it not?

However, Sir, permit me to briefly recall the occupance history of some of these islands in the past 50 years:

Majuro Atoll

- World War II base of US operation.

Mill Atoll

- Japanese World War II base.

Bikini Atoll

 Site of atomic and hydrogen test bombings in the late 40s and 1950s, its lagoon is peppered with American and Japanese target ships.

Enewetak Atoli

 A nuclear testing region, Runit Island has a concrete slab that encloses the island's contaminated materials.

Maloelap Atoll

 A Japanese base in World War II with a Japanese troop ship submerged in its lagoon off Taroa Island,

Jaluit Atoll

Japanese headquarters during World War !!
 and home to thousands of Japanese between
 the Wars.

WR144 (cont.)

1

[2]

I consider the above profile sketches speak for themselves. It is a recent history written in the context of war.

Finally there is Kwajalein Atoll, home to a US missile testing base.

Sir, may I suggest to you that the Marshallese, and the Pacific Island people in general, are tired of being unwilling hosts to military and strategic programmes imposed by larger outside nations. We ask that your Government cease these operations in a world where warfare is realistically a diminishing prospect and short term economic gain is your only incentive.

The Pacific Conference of Churches [PCC] is a regional ecumenical organisation made up of some 31 member Churches, National Councits of Churches and Bishops' Conferences. It speaks for 90 per cent of all Pacific Christians.

Sir, I write to you on behalf of these Pacific people. My mandate derives from their dalegates meeting in the 6th General Assembly of the PCC which passed resolutions to this effect. I am instructed to convey this matter to you by the PCC Executive.

I would therefore ask your Government to halt the Strategic Defense Initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response in this matter.

Yours faithfully,

A. J. Salamonsen

Secretary for Justice, Peace and Development

P.O. Box 1500

Huntsville, Alabama 35807-3801

WR146

### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

the audocity to say a germine population can live on such a strall land area. They we taken a way the marchallesc Culture, polluted their lands of the minds of Such sengle loving human beings.

How can the U.S. say it is alright to sa crifice naive natives por the betterment of sayety of the U.S. a quat good to quater people for litelitain. I totalitarianism. Is note the concerns of 11 for style of the Marchallese not important? How important are nucleur weapone to say our live not y has the aght to teoperative the likes as when they has the amen and stuff so low as to take of their tayle as

Name Kannohiokalani Aki Ru 4667 Kalalen E. I.

Address 106 353 Mahah, 1496703

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801

## Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A present to me that we wre in the prestrom

of opportunity. Rare opportunity. A new world

order is at ruggling to assert itself. We are

at a conserved. Our inlightened age beclions

we. But fears of a older time are playing

our policymakers. Fears of a cold was era,

of a bipolar world. STARS is a motione of

this past. It is not a hopeful future if

al allow the cold was mentalities to further.

(165. exploitation of Pacific islands and people.

Direct our money and energy to chipping

not arming ourselves against what diversit

threats us.

Name Cases Oppell

Address 4134 House of De. Marra, HT 9674h

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR148

[1]

April 7, 1992

D Sen. Daniel Inoye and Mr. Randy Gallien,

I am a student at Kauai community college. My English class has been researching the STARS controversy and I would like to give you my Statement, Thus far.

at the beginning of my research paper, I felt against the STARS
paper, I felt against the STARS
program, in which I wrote my
read all the material for and
read all the material for and
against STARS, I feel my view
against STARS, I feel my view
has changed. I feel the Army
has changed. I feel the Army
has changed. I feel the Army
has done a wonderful job of
has done a wonderful job of
howeving all guestions the Opposers
have. Also, I admire the military's
profresionalism in addressing some
to be answered. Keep up
the good work. Thank you mander saw

**W**R150

To Sin Dan Inouge amm Randy Gallien. April, 7,1982

I gut about the other project should go on, her stay with
the plan, Because since I always agree with the military
in what their are doing, and how its profest us from
any wind g danger. Then they should do something, then
I launching the missile of Karai. There I rouly don't mind.

and I support prints.

CleeAn Tokehan

2-135



# DEPARTMENT OF THE ARMY U.S. ARMY ENVIRONMENTAL HYGIENE AGENCY ABERDEEN PROVING GROUND, MARYLAND 21010-8422



REPLY TO ATTENTION OF

HSHB-ME-AQ (40)

13 April 1992

MEMORANDUM FOR Commander, U.S. Army Strategic Defense Command, ATTN: CSSD-EN-V (D.R. Gallien), P.O. Box 1500, Huntsville, AL 35807-3801

SUBJECT: Review of the Draft Environmental Impact Statement for the Strategic Target System, February 1992

- The comments and recommendations on the above subject document are enclosed. Recommend addressing the comments and resubmitting the revised document for review prior to finalization.
- 2. The scientists and engineers reviewing this document were: Mr. Jeffrey S. Kirkpatrick, Air Pollution Engineering Division; MAJ William E. Legg and Mr. Wayne Hardcastle, Waste Disposal Engineering Division; Ms. Jennifer Breen, Water Quality Engineering Division; Dr. George A. Luz, Bio-Acoustics Division; Ms. Jennifer Houser and Mr. Ralph Rogers, Industrial Hygiene Division.
- 3. Our point of contact for technical questions is Mr. Jeffrey S. Kirkpatrick, DSN 584-2510/2509 or commercial 410-671-2510/2509. Additional comments or concerns may be directed to Mr. Thomas L. Guinivan, Chief, Air Quality Management Branch, Air Pollution Engineering Division, DSN 584-3500/3954 or commercial 410-671-3500/3954.

FOR THE COMMANDER:

Encl

THOMAS L. GUINIVAN, P.E. Chief, Air Quality Management Branch

Air Pollution Engineering

Division

CF: HQDA(SGPS-PSP), ATTN: COL Fitz CDR, HSC, ATTN: HSCL-P CDR, USAEHA, ATTN: HSHB-ME-SH

Nationally Recognized as the Center of Matrixed Occupational and Environmental Health Excellence

WR151 (cont.)

applicable air samples.

COMMENTS AND RECOMMENDATIONS
DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM
FEBRUARY 1992

Reviewer: Mr. Kirkpatrick
 Page ES-5, Air Quality
 Comment: It is stated that air samples will be collected
 during the first demonstration flight to validate the accuracy of
 the models and to evaluate compliance with federal and state
 standards. The draft STARS EIS does not contain a section which
 describes the monitoring procedures to be used for collection of

1

2

3

<u>Recommendation</u>: Consider revising this section to state where, in the draft STARS EIS document, one can find information on the procedures to be applied for air sample collection.

Reviewers: Ms. Houser and Mr. Rogers
 Page 2-15, Propellant Storage and Transfer Operations
 Comment: The hydrazine and nitrogen tetroxide holding areas
will be monitored for leakage by SNL and PMRF personnel.
However, there is no mention of whether personnel or area
monitoring will be performed (and by whom) during propellant
on-loading and/or off-loading operations.

Also, there is no mention of whether off-loading will occur in the event that the rocket is not launched.

Recommendation: State whether personnel and/or area monitoring will be performed during propellant on-loading and/or off-loading operations, and who will conduct the monitoring. Also, state whether or not off-loading will occur in the event that the rocket is not launched.

3. Reviewer: Mr. Hardcastle
Page 2-29 Construction Activities at Kauai Test Facility
Comment: The statement for the proposed construction of a
"shelter" at KTF, relative to the STARS for a decontamination pad
and for temporary hazardous waste staging, does not provide for
compatible segregation for hazardous waste storage or spill
containment.

Recommendation: Include a statement for compatible waste segregation for hazardous waste storage and spill containment in the final EIS.

### WR151 (cont.)

4. Reviewer: Mr. Kirkpatrick

Pages 2-29, 2-30

Comment: A duplicate copy of pages 2-29 and 2-30 appear in the draft STARS EIS.

Recommendation: Include only one copy of pages 2-29 and 2-30 in the final version of the STARS EIS.

5. Reviewer: Ms. Breen Page 3-9, Section 3.2.1

Surface Water Quality Comment: It is stated that the results of the study of surface ponds in the Mana Plain/KTF area do not indicate residual hydrogen chloride effects of past launches at KTF. However, there is no data shown which measures the chloride level in the ponds before any launches in order to support this comparison and conclusion. The high levels of chloride in the samples near the KTF are assumed to be caused by the close proximity to the Pacific Ocean and the result of infiltration of sea water. This is not supported, however, by the relatively low chloride concentration found in sample point PP which is appears to be about the same distance from the Pacific as sample point WR. Unless sample point PP differs greatly in geological and other physical characteristics from sample point WR, this reasoning of sea water infiltration does not seem valid.

Recommendation: Previous to any launches, include past water quality data for the ponds. This will serve as a comparison to current water quality data, and will be used to support the conclusion that past launches have not contributed to the surface water chloride levels. Also include physical descriptions of the surface water sample points rather than just a map. The two together serve as a much better resource to interpret water quality data.

6. Reviewer: Mr. Kirkpatrick Page 3-13, NAAQS (Table 3-3)

Comment: An annual National Ambient Air Quality Standard (NAAQS) value should be included for carbon monoxide (CO, annual NAAQS equal to 9 ppm, or 10,000 ug/m³). In addition, notation should be associated with the annual NAAQS for CO and sulfur dioxide to state that they are annual geometric means.

Recommendation: Consider including an annual NAAQS value for CO and notating that the annual NAAQS for CO and sulfur dioxide are annual geometric means for Table 3-3.

WR151 (cont.)

4

7. Reviewer: Dr. Luz

Page 3-41

Comment: The suggestion is made that a day-night level of 75 decibels "is equivalent to the sound generated by a home garbage disposal." The reference to support this statement is Figure 3-11, which lists the noise level at three feet from a garbage disposal as being approximately 77 decibels. As it stands, the comparison is incorrect, because it fails to recognize that the day-night level is a 24-hour average. Thus, we cannot equate a garbage disposal to a given decibel value of day-night level unless we know the duration of the garbage disposal operation. In this case, there is a simple fix, since a garbage disposal operated for the fifteen daytime hours specified in the day-night level (0700-2200) with a background level of 45 decibels during the night hours would give an Ldn of 74.9 dB.

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Recommendation: Alter the sentence to read, "This sound level is equivalent to the sound experienced by someone sitting 3 feet away from a garbage disposal operating continuously from 7:00 A.M. to 10:00 P.M. (Figure 3-11)."

8. Reviewer: Ms. Breen Page 3-48, Section 3.11.3 Wastewater

Comment: The septic tanks are noted to have been designed for maximum usage expected for KTF and Strategic Target Systems activities. The design criteria should be better defined in numbers of population that the tanks and leach fields are able to support and consideration should be given to whether the launch pad activities will increase personnel numbers and therefore wastewater treatment needs.

Recommendation: Define design statistics with respect to population demands, and consider whether any potential increase in wastewater flow from extra personnel could be handled by the current septic tanks.

9. Reviewer: Ms. Breen Page 4-5, Section 4.2.4 Mitigation Measures

Comment: All mitigation measures are based upon the assumption that there is no chance of ground water or drinking water contamination. There appears to be no research done on the toxicity of the possible contaminants in drinking water and to the surrounding lifeforms that may live in the surface waters. Since the chance of contamination was not considered, no treatment methods were researched. The spill plans included in section 4.9 and 4.10 do not mention any method of deterring infiltration of spilled hazardous material into the groundwater.

### WR151 (cont.)

Recommendation: A mitigation plan should be prepared for the unexpected. The actual spill plan and clean-up methods to be employed should be included in order to determine their adequacy.

10. Reviewer: Mr. Kirkpatrick
Page 4-7, Air Quality Modeling
Comment: Modeled ambient air concentrations, using the TRPUF
and the REEDM dispersion models, are given for the pollutants of
concern. However, actual modeling input and output files are not
given in the draft STARS EIS to confirm that the listed
concentrations have been accurately modeled.

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Recommendation: Include both the TRPUF and the REEDM dispersion modeling input and output files in the final STARS EIS.

11. Reviewer: Mr. Kirkpatrick
Page 4-7 through 4-22, Air Quality Modeling
Comment: Throughout the Air Quality Modeling Section,
modeled pollutant specific concentrations are given for specified
downwind distances. Without the input and output TRPUF and REEDM
data sets to critique, it is difficult to determine if these
"downwind" distances are direction specific radials or concentric
distance radials.

<u>Recommendation</u>: Include additional information on the definition of the specified downwind distances from the TRPUF and REEDM model outputs.

12. Reviewer: Mr. Hardcastle
Page 4-45 Hazardous Materials and Waste
Comment: It is stated that the entire Pacific Missile Range
Facility (PMRF) is considered a single facility under the
Resource Conservation and Recovery Act (RCRA), and that the
Strategic Target System (STARS), Kauai Test Facility (KTF), is a
tenant on the PMRF which must comply to the standards applicable
to the PMRF. Since the PMRF is a large quantity hazardous waste
generator, tenants on its property, including the KTF which use
the same EPA hazardous waste generator's number, must conform to
the inspection, storage and training requirements designated for

Recommendation: Establish guidelines for the Strategic Target System's hazardous waste staging facility and operating personnel, which meet the storage and training requirements of the RCRA for full hazardous waste generators (40 CFR 262.34, 265.16 and the applicable sections of Subpart I of 40 CFR Part 265).

WR152 6190 Kuamoo Rd Kapaa, Hl 96746 Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Jallien)
P.O. Box 1500 Huntsville, AL 35807-3801 Dear Sirs: I feel that it would be irresponsible for the Army to jeopardize the unique, clean, fragile and accessible environment of Kauai by test firing 20-yr old refurbished rockets from PMRF. Thank you. Sinarely, Poloca Eve Solomon

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full generators.

Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Please hand this form in or mall by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

COSBET

Name BRUCE

Address Bax 445

Huntsville, Alabama 35807-3801

WR154

Sheraton Maui KANNAPART BENCH RESORT

FOR GUEST USE

Dear Sta. Enouge and Mr. Gollien

Stop the plans for testing missiles on Kausi. This island is changing every day, we the people except and try the adjust. We the people have to try the adjust. We the people have to thank up the our Beautiful Kauai

Stop /stan

Vote for you again

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Sincrely Michel

WORLDWIDE HOTELS, INS. RISORTS & SILSHITES

PHONE 808 681 3031 FAX 808 851-3458
SHERATON MAULIS OWNED BY KYD-YA COMPANY LTO HOTEL DIVISION AND OPERATED BY IT? SHERATON CORPORATE

2-139

Dear Senator Enouge & Mr. Gallien cl am greatly against the testing of S.T.A.R.S Missile expairments of hore read they are not safe or healthy for the environment here please take themelowere ancerned insidy from

WR156

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the fixing of missiles from the Pacific Missile Range Facility on Kaual. I am strongly opposed to Star Wars testing on Kaual for the following reasons:

- Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
- 3. Nohiii Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conclentious decision based on the true impact of the program, not under duress from fictitious threater.

Sincerely

Poseph Thompon Po. Box 3236 Princeville, Kavai, Hz 96722

April 8, 1992

Dear Senator Daniel Inouye

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kaual. I am strongly opposed to Star Wars testing on Kaual for the following reasons:

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Sincerely,

Valerie William

Valerie Williams 4796 Pelehu Road Kapaa, HI 96746-1851 WR158 April 10th, 1992

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Aloha Senator Inouge, Mr. Cooper, Mr. Gallien and anyone else involved with the SDI project decision;

I am a resident of Kavai and I am writing to you today to voice my extreme opposition to the SDI program that is scheduled to begin soon at PMRF, here on Kavai.

I firmly believe that this would be a tragic mistake.

An old Chinese proverb states: "IF we don't change direction.... We are going to end up exactly where we are headed."

We are rapidly destroying the very planet that we live on and should be striving to protect "We have Found the enemy..... and they are us!"

I believe that 'National Security' is vitally important; but <u>not</u> at the expense of threatening our LiFe-sustaining global environment - what's the point? A "safe country" in a world unfit to live in-who cares?

The U.S. Army and the U.S. government in general have a moral and a social responsibility to the citizens of the United States, and of the world - and not just to this generation, but to all the Future generations yet to come.

"We lik not inherit this Earth From our accestors.... we are borrowing it From our Grandchildren"

Accidents <u>do</u> happen. They have happenedthey are happening — and they will continue to happen (in particular with antiquated equip.) A midhap here could be devastating; For those of us who live here on Kavai, For our touristbased economy, and in particular for one of the most beautiful of pristine places on God's Earth.

I am totally opposed to the entire SDI project; however, if it must continue, please do it somewhere that the U.S. gov. has already abused and polluted - and not here on Karai.

way towards cleaning up the shameful toxic waste sites strewn throughout our country and the world by the U.S.

Gov. in the name of National Defense;

het's get our priorities straight—

Now! Before it's too late—

Respectfully and Optimistically,

Doug M& Kibbin P.O. Boy# 394 Hanalai, Hi. 96714 WR159

4/7/92 Jook Add Son P.O. Box 1481 Hanalei HI 96714

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missites from the Pacific Missite Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

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Sincerely

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Pash Addisan

P.O. Bex 1481

Hanalai H1 96714

4/1/92

April 8, 1992

Dear Mr. Gallien.

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
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- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely.

(162 att-

WR161

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3695 Waha Road Kalaheo, HI 96741 April 5, 1992

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Senator Daniel Inouye and Mr. Randy Gallien,

I continue to have serious concerns over the STARS program. The recent EIS has not alleviated those fears. The EIS was not specific and quantatative in giving base line figures as to what "no significant impact" on our environment means. Where is the specific documentation with figures that allowed that conclusion to be reached? Where is the rest of the report? Generalities can and do mask many figures that one might not want known.

The EIS says there is a 97% operations reliability per launch. Sounds good. What is the probability that two launches are totally successful? Ninety-seven per cent to the second power equals ninety -four percent. When one continues to see the probability of all 40 launches being successful - 97% to the 40th power -( using the standard math formula for probability of success), it turns into an appalling 30% probability of success!! Is this figure significant to you? This is not an emotional argument. It is a factual mathematical one.

I support the PMRF base here on Kauai. It is an important asset. I do not, however, support the testing of a weapons program of questionable and limited use that has a price tag of billions of dollars, has a 70% probability of at least one launching error, has an incomplete EIS, and impacts on so many peoples lives.

This goes beyond being an argument about Kauai people, quality of our lives and those in the Marshall Islands. The STARS program should not take place at any time in any country. The price is beyond reason.

Sincerely,

Yvette Bambas

WPri62

12 April 1992

To:

Senator Daniel K. Inouye Mr. Randy Gallien

Subject: Strategic Target System

Gentlemen

I feel I must respond to the proposed Strategic Target System vehicle launches at the Kauai Test Facility, PMRF. It's an issue that concerns me deeply, an issue that has intruded upon our lives on this island.

I strongly deplore the military's plan in accommodating and seeing this proposal through. The testing of refurbished rockets as part of an SDIO program, has no place on very fragile island environment like Kauai — a nature wonderland of imposing physical beauty, with a natural, rural lifestyle of precious bygone days. We MUST preserve and protect what we have and not let the greater powers that be dictate our livelihood and future for this island.

I concur with Representative Patsy Mink's assessment of the DEIS, and feel that many valid points were raised in her testimony. Among them, the summary dismissal of many issues as "small risk", "unlikely", "all precautions will be undertaken", "insignificant", "no impacts anticipated", and "very little hazard". Such comments begs a quantifiable explanation, and does not alleviate my concerns. Little attention has been paid to alternative actions, or alternative plans, implying that it should be the US Army's way or, the "No Action Alternative". We are left with an all or nothing proposition.

My fellow Kaua'ians who work at PMRF should be granted assurances by the US Navy, the US Army, and government officials that this proposed project, if not implemented, does NOT mean a sentence of closure for the base facility. Not enough assurances have been directed toward this major concern.

Missile launchings and testing as part of SDI, is not the kind of projects I'd want secured, for the survival of this base. PMRF needs to focus on alternate activities and projects that provide personnel, craw, and technical training. PMRF should not be expanding it's infrastructure that will change the landscape or seascape, ie. upgrading the launching pads, building rocket and fuel storages, or constructing a dock-landing site for transportation of liquid propellants.

The land upon which the base rests is not one to be sculptured and defaced in the name of national security. Nor should the we tamper with the delicate social and spiritual fabric of our community until we have weighed, very seriously, the potential outcome.

I thank you for allowing me to state my concerns.

Mahalo.

Gerald M. Hirata P.O. Box 565

Hanapepe, HI 96716

WR163

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### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The believe that FMRF should continue as an underwater testing range for surface ships and aircraft. Its agenda, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Aries and other missiles, as the Army wants to do, is not needed.

According to the insert in the Draft of the FIS headed "Strategic Target System: Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system. If the proposed launches at FMRF are approved, Hawaiian Crown Lands, including cultural, spiritual and other archaelogical sites, will be affected to the point of desecration.

For example, the hazardous materials would be stored on Hawaiian Homelands
adjacent to PMRF. Burial grounds will be affected. Surely, one would not
consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

----

\_\_\_\_\_

P. O. Box 88

Koloa, Hi 96756

Address\_

Name

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

If the EIS for the Strategic Target System had been made by an impartial agency, it would be easier for residents like me to believe in the sincerity of the proponents of the STARS program at Pacific Missile Range Facility (PMRF).

As a concerned resident I strongly recommend that the U.S. Army Strategic Defense Command take the NO ACTION ALTERNATIVE: i.e., NO STARS LAUNCHES AT PMRF. Although this is a personal statement, I know that there are hundreds—in fact, thousands—of Kauai residents who feel the same I do, but who are not taking the opportunity to express their opposition because they believe the issue has been decided and that the hearings, pronouncements, letter writings, telephonings, and other efforts to stop the STARS project are all exercises in futility.

I surely hope that they are wrong because the decision makers must listen to the people of Kauai and take into consideration the concerns of the people who call the Garden Island "home."

I have a number of concerns. First, the STARS launches will release an alarming amount of freon into the atmosphere, depleting the ozone layer, and endangering plant and animal life, including human life. Second, the launches will have a psychological impact on the people of Kauai who fear potential hazards and mishaps that could be catastrophic. Third, cultural and historical sites would be affected. Fourth, the STARS launches run counter to peace initiatives.

I should continue enumerating my concerns, but I'll add just one other observation: the STARS launches are not necessary for the security of the United States. The project serves no useful purpose!

Name \_

Catherine P. Lo

P. O. Box 887

Koloa, Hi 96756

Address\_

Street Addre

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

Sin. luciuze I have written to you before on this inu of the proposed STARS pagam & the minte launcher from PMFR. I am very much appoint to his program. and I gave public the army last week here on Karing held by I am writing though now to let uper know that ar a long time readent of Kavai I fully testimony, I would like to see this lase remain open & a part of the diverse economy on Kavar. day that the fiture of PMFR will not be dependent on the presuce of the STARS program 2-1

WR166

# **DENNIS J. OLIVER**

P. O. BOX 87 - KOLOA, KAUAI, HAWAII 96756

April 4, 1992

Senator Daniel Inouye Washington, D.C.

Dear Senator Inouye,

I wish to convey to you my ernest desire to see the Navy Facility at Barking Sands on Kauai remain open. I have lived on Kauai for over 20 years and have always felt that PMRF was an asset to our island community.

I also want to take this opportunity to express my adament opposition to the proposed STARS rocket launches from PMRF. I hope you will do everything in your power to see to it that Kauai not have this program here on Kauai.

Thank you for your assistance in this matter.

Sincerely.

In J. Oli

WR167 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

City/State/Zip Code

P.O. Box 1500

Huntsville, Alabema 35807-3801

WR168 Fonl 7,1992 I am apposed to the
Staves Program on
Kauar The tragele
environment of the Island
could not sustain any
type of accident that
results from reglicence
at the Gissle Range.
STARS does nothing to
further to secure our
National Defense Hease
Stop this prograw NOW. Sinceriles (rack franceson Fex 827 (larea H) 96754

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Strategic Target System Draft Environmental Impact Statement  Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.  Wend Support Support Went's					
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V	Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801				

Written Comment Sheet						
Strategic Target System  Draft Environmental Impact Statement						
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	for attending this on the Draft Envir	Strategic Targ Draft Environmental  for attending this public hearing. Please hand this form in or mai Deputy Commu U.S. Army Strategic Defe Attention: CSD-EN-V P.O. Box 15  P.O. Box 15  P.O. Box 15  Attention: CSD-EN-V P.O. Box 15	Strategic Target System Draft Environmental Impact Statement for attending this public hearing. Please use this sheet to on the Draft Environmental Impact Statement for the Str DD Not Support Stav  F. C. Rox 10 Kilmean, Kana			

april 1, 1992

Jam completely opposed to any missles on Kausi; any I moved to this wonderful island at great expense to sive a life free from the poison of warfare. It would be a crime against water, formie Miler P. O. Box 983 anahola of 96703

WR173

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4/3/92

Dear Senator I nouge and Mr Gallien,

I am asking you please to stop the Star wars on Kavai.

I am against any missiles here or anywhere on the world.

Mahalo

Turminger.

Trabelle Winninger PO BOX 612 KICAVEA 96754 HAWAI

RUBY STAR PO Box 959 Kilavea, HI 96754 WR175



7 April 1992

The Deputy Commander, US Army Strategic Defense Command, CSSD-EN-V [D.R. Gallien] P 0 Box 1500. Huntsville, AL 35807 - 3801 UNITED STATES OF AMERICA

Dear Sir,

RE : THE PROPOSAL OF STRATEGIC TARGET SYSTEM [STARS] PROGRAMME; 40 ROCKETS OVER A 10 YEAR PERIOD

The news of the [heartless] proposal mentioned above has stunned our Christian communities here in the West Coast of America, Asia and the Pacific.

THE PACIFIC ECUMENICAL FORUM

The proposal stated a 10 year programme of four annual launching, which would be almed towards Kwajalein Atoll, where the military would test its missile detection and interception systems.

Allow me to bring to your attention that the Kwajalein Atoli is a cluster of many small islands circling the most beautiful and largest lagoon in the world. None of these islands are more than a few meter above sea-level. Some of them are still inhabited by the Marshallese with the exceptions of Roi-Namur, Meck and Kwajalein.

We, the Christian people of the West Coast of America, Asia and the Pacific, who make up the Pacific Ecomenical Forum [in which the Marshall Islans is a member] urge you to review your mission for the next few years. The people whose lives will be endangered by the effects of radio-active and fall-outs together with psychological effects resulting from such dangerous games : "a target of opportunity" are your own brothers and sisters [the citizens of USA and the Marshallese].

I would therefore ask your Government to hait the Strategic Defense initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response.

Yours dithfully,

Sister Pesio losefo SMSM

PEF Co-ordinator
F.O. Res 2306, Government Buildings, Serie FAX: (679) 200-168

Therman (679) 200-168

PRX: (679)203-205

Mr Ronald S Fujlyoshi Ms Elizabeth Freeman

Northern Celifornia

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ear Perio Josefo Men

April 2, 1992

Senator Daniel Inouye U. S. Senate Washington, DC

Attn: Randy Gallien

Dear Senator Inouye:

I want to voice my support for PMRF. Also, I want to express my opposition to STARS.

First of all, the effectiveness of STARS as a defense concept has been challenged by experts in many fields, and those who promote the program most often are those whose self-interests are involved.

Secondly, there are enormous needs which we have as a nation (and which we also have as an island), and while in more affluent times the allocation of large resources to an experimental program might be acceptable, in today's economy it simply doesn't make sense to me.

Finally, and most importantly of all, Kaua'i's environment is too fragile and the long range welfare of all of Kaua'i is too dependent on the maintenance of the special nature of that environment to take any chance on anything that might negatively affect it.

I know from your support in the past of Kaua'i preservation projects, such as the establishment of the Crater Hill Wildlife Refuge, that you care about Kaua'i. I urge you to act also in this instance as an advocate of the people of Kaua'i and of the island itself.

Sincerely,

June B. Stark
Box 398

Kilauea, HI 96754

WR177

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April 3, 1992

Dear Senator Inouye and Mr. Gallien,

I am writing you to express my opposition to the SDI Star Wars missle launch program, proposed for Kauai. Let me say that while I am not opposed to the PMRF as it now exists, I am concerned about the negative impact of the proposed launches on the environment and on the quality of life here on Kauai. Please don't allow Star Wars missle launches from Kauai.

Skip Generals

Skip Templeton PO Box 1224

Hanalei, Hl. 96714



P.O. Box 887 Koloa, HI 96756

#### MEMORANDUM

TO:

Senator Daniel K. Inouye Commander D. Randy Gallien

SUBJECT: STARS Launches on Kauai

I believe that PMRF should continue **as** an underwater testing range for surface ships and aircrafts. Its agenda, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Aries, and other missiles, as the Army wants to do, is not needed.

According to the insert in the draft of the EIS headed "Strategic Target System: Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system.

I'm opposed to STARS launches at PMRF because Hawaiian Crown Lands, including cultural, spiritual, and other archaeological sites will be affected to the point of desecration. For example, hazardous materials would be stored on Hawaiian Home Lands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

Please stop the proposed STARS project on Kauai.

Sincerely,

Tay do

WR179

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April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Laura Mandel Po Box 129 " Kapac, HI 96746 WR180 Senator many that would support the base, Kanai, the environment and our. Mahalo 1951 Muku Pl. Koloa Kauai, HI 96756

WR181 4/7/92 Senater Irouge and Mr. Early Golfeen lounching of the polaris miss. 1 the missike may hard the environment of إرد شاديل Sincerely Emilio Bayudan P.O. Bex 323 Waimen, H1 96796

Senator Daniel Inounce Mr Randy Gallien april 4, 1992

Dear sirs:

It is difficult for me to imagine the possible negative outcomes to our island were the STAR'S missile launchings from Barking Lands to Kwajulein atall to be approved. Potential accidents, noise, pollution, or one depletion. becoming more of a target for hostile forces; who knows what types of things would be in store for us of STARS became a reality on Kanail

atthough it is difficult to imagine our small island sufficiently such digradation, I'm certain the scoyle of Kwajalein never dreamed that their island would suffer its fate either. Would you want such launchin bith seemingly little to gain for any Comericans, to begin in your home town? Onexicans, to begin in your home town? Please do whatever you can to keep STARS launching, away from Kanai, and spease question, on my behalf, the necessity of a STARS pregram at all. Thank you.

Sincerely, Illa Coomis Kalander of the Start of the S

WR183

1

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

MARK MANDEL P.D. BOX 129 KAPAA, HI 96746

WR184 April 9 1992 To whom it May concern -The time has come to say Yes to the Vision of Peace that we hold for this planet our only home. The time has come to honor the sacredness of the lands that the United States Government took from the Native Howavian people. The time has come to remember the Golden Rule when we think about what has been done to the Marshallese packed like sardines onto a tiny atoll in the Pacific. The time has come to stand up for our Mother Earth and her fragile, life sustaining atmosphere. How can the EIS prepared for the STARS program claim to have no significant impact on the environment when it desecrates the sacredness of the Hawaiian Lands that the missles will be launched from? When it displaces an entire people from their bome and iculture? When it threatens to distray more of our precious orone layer? And when it has divided the people of this island into oppossing camps? We must begin now to heal the sense of

separation among all people. Our Earth is

too small and our environmental challenges	
too pressing to not realize that as we move	<u>.</u>
into the 21 St century we must become	
World Citizens, united in Harmony.	
,	
I oppose the STARS program in an	પ્છ
form	
Sincerely,	
Lisa de Treaux Man	ا يون
PO Box 493	
Kilauea Hi	
96754	
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The second secon	
	<u> </u>

WR184 (cont.)

April 3, 1992

4332 Naulu Place Koloa, HI 96756

Dear Senator Inouye and Mr. Galtien,

I am writing to oppose the STARS missiles on Kauai. While I believe that the Pacific Missile Range Facility serves an important purpose as one of the premier areas in the country for underwater fleet training, I do not support the base as a place to launch larger missiles like STARS.

As a nurse, I am deeply concerned about the health effects of these launches. First, it is documented in the Army's Draft Environmental Impact Statement that the twenty-year old Polaris missiles will emit hazardous chemicals such as aluminum oxide and hydrochloric acid into our atmosphere. Even a small amount of excess acid in the air can cause breathing problems in humans. Research has linked aluminum oxide with Alzheimers disease. In addition, should a rocket misfire and need to be exploded, hydrazines and nitrogen tetroxide will be released—extremely deadly chemicals that could contaminate our land, sea, fresh water and air.

Second, the STARS rockets will release 90 kilograms of freon four times per year for the next ten years. According to a NASA report dated February 1992, the ozone layer over Kauai shows a 10 percent drop in density, which means that 20 percent more harmful ultraviolet radiation is being allowed to penetrate, which increases our already-high potential for skin cancers, cataracts, and immune system damage. From a health practioner's perspective, this destruction of the earth's ozone layer must stop, or we will all suffer the consequences. What good can such missile tests do when we are suffering from cancer, cannot go out in the sun, and when there is no fresh air to breathe?

Thank you for your attention.

Sincerely,

Mancy Syler

Nancy Tyler, R.N.

WR186

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3735-C Omao Road Koloa, Kauai, HI 96756

April 4, 1992

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Senator Daniel Inouye Mr. Randy Gallien

Dear Sirs:

As a concerned citizen of Kauai I am writing to you to implore you to oppose the launching of STARS missiles from Barking Sands. The reasons I am against these launchings have been so eloquently and emotionally stated at the recent STARS hearings: the dangers to human life on Kauai in the case of an accident, multiple environmental concerns, the limiting of Polihale Beach access, the incredible cost of the program, and on and on.

The task of creating a more integrated global society requires collective and personal changes. To have peace in the world, we must look at fundamental issues that involve the way we arrange our society and set our personal priorities.

I urge you to take a step toward a global perspective and oppose the STARS program.

Sincerely yours

Conthia McKenna

2-157

WR187

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

LATORY PALTING

Sincerely,

GENERAL DELIVERY ANAHOLA, HI 96703 WR188

1

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Nanette Gettier General Delivery Anahola, Kauai, HI 96703

April 3, 1992

Dear Mr. Gallien and Senator Inouye,

I am writing to express my opposition to the proposed STARS mille launches from Barking Sands to Kwajalein atoll for the following reasons:

- 1) The missile launches are an environmental hazard to Kauai and beyond. The release of freon will drastically affect the ozone layer over Kauai, increasing our already high potential for skin cancers, cataracts, and immune system dammage. The ground hazard area for the STARS missiles is 10,000 square feet whereas it should be at least 600 square miles. Potentially the areas within a 600 mile radius can be affected by hazard materials. Additionally, the potential for rocket failure is high because the army is using 20 year old missiles. In case of failure, nearby Hawaiian homelands could be damaged.
- 2. The relocation of 10,000 Marshall islanders to a location barely a square mile is size in order to provide a target site is an atrocious act. Such a proposal robs these native people of their land and their traditional way of life.
- 3. According to Capt. Robert Mullins, commanding officer at PMRF, not having STARS at PMRF will not lead to closure of PMRF. Yet with STARS, countless residents and visitors to Kauai will lose unlimited access to Polihale Beach, a uniquely beautiful place. Kauai is apreciated by residents and visitors alike because it offers a pristine and beautiful environment that can only be tainted by the proposed STARS missile launches.

Thank you for listening to another concerned resident of Kauai.

Sincerely.

, Bont Settes

WR190

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April 8, 1992

Dear Mr. Gallien.

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kaual for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.i.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our
- 3. Nohiil Dunes is a culturativ significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conclentious decision based on the true impact of the program, not under duress from fictitious threats.

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Sincerety,

Panel Palmer P.O.Box 238 Hanalez Hz 96714

Lt. Col. Robert M. Bowman, Ph.D., USAF, ret. Institute for Space and Security Studies 5115 S. AlA Highway Melbourne Beach, FL 32951

March 24, 1992

U. S. Army Strategic Defense Command P.O. Box 1500 Huntsville, AL 35807-3801

re: Draft Environmental Impact Statement (DEIS)
Strategic Target System (STARS)

Dear Sirs:

As a former Director of "Star Wars" programs under presidents Ford and Carter, I have been asked by citizens of Kaua'i to comment on the Draft EIS for the STARS program. My comments are attached.

Sincerely,

Lt. Col. Robert M. Bowman, Ph.D. President, ISSS

Attch: Comments

WR191 (cont.)

Comments on Draft EIS for the STARS Program

by Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.

The Draft EIS has identified numerous significant impacts of the STARS program and a number of serious hazards. It lists actions to be taken to mitigate the affects and minimize the risks. I have serious doubts about the affectiveness of these actions, and reservations about the reliability of the refurbished Polaris solid rocket motors, in particular.

what is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in a 70% probability of at least one catastrophic failure in the planned 40 launches. And even if no accident ever occurs, tons of acid and toxic aluminum will be dumped into the atmosphere over the island. Any honest reading of the Draft EIS must conclude that the Army is proposing numerous complex, almost heroic, measures to minimize the impact of the STARS program. But one must also conclude that, in spite of these measures, many impacts and risks will inevitably remain. You simply cannot carry on such activities in such a unique and ecologically sensitive location without serious impact.

The document also makes it clear that these impacts are totally unnecessary. The DEIS concludes that the "Do Nothing Alternative" would be far preferable from an environmental persective. It turns out that this alternative would also be far preferable from a national security perspective. For over a decade I have opposed "Star Wars" and the SDI program which grew out of it because they made nuclear war more likely. My judgment has been shared by the Joint Chiefs of Staff. Now, since we no longer have a potential superpower enemy to go to war with us, the danger of "Star Wars" to our security has lessened, but it hasn't gone away. It is still isolating us from the world community of nations, reinforcing our image as world bully, and draining resources and brainpower from the civilian space program and commercial high-tech industry. And it still has no legitimate mission.

Global Protection Against Limited Strikes (GFALS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-Continental Ballistic Missile (ICBM) to deliver it. I would just float it up the Potomac on a barge, or to Waikiki on an outrigger, or maybe fly it into Red Square in a Cessna. STARS and "Star Warm" weapons do nothing to neutralize such threats. But the politicians and bureaucrats running the program, spurred on by the contractors who profit from it, are continuing anyway. So the Army (which doesn't make the policy) is preparing to rape Kaua'i for a program the Joint Chiefs of Staff have never wanted.

page 1

WR191 (cont.)

One of the ironies of all this is that they don't need to use Kaua'i. There are many other ways to put those STARS payloads into the proper trajectory if they insist on continuing the program. Have you ever asked yourself why (if they insist on using the Folaris) they don't just fire them cut of submarines, the way they were designed? The answer is that those old rockets are so dangerous, that they would probably explode, destroying the submarine, and killing everybody in it. They'd rather blow them up on Kaua'i where they would only endanger fish, birds, whales, excite plants, an ancient burial ground, a few natives, and the tourist industry.

One of the great failings of the Draft EIS is its failure to seriously address many of the other alternatives. Personally, I prefer the "Do Nothing Alternative." But several others, if evaluated, would have been found to be environmentally far superior to the Proposed Action. Unfortunately, they were allminated from further consideration on questionable grounds.

In particular, it is shocking to see the floating barge, fixed ocean platform, and Minuteman III from Vandenberg options eliminated primarily because of treaty considerations. The possible technical difficulties with the INF Treaty could have been easily overcome or circumvented. If START would have prevented encryption of signals using Minuteman III, so what? What are we trying to hide from whom? And since when has the SDI program been so concerned about avoiding even minor technical conflicts with treaties? The whole SDI program is in violation of both the letter and the spirit of both the ABM Treaty and the Outer Space Treaty.

Do the writers of this DEIS really expect us to believe that if the island of Kaua'i didn't exist, that there would be no STARS program, because no other alternative is even possible and worth evaluating? This glaring falsehood calls into question everything else in the document. In the old days in the Pentagon, we had a description for a study like this one: "an exercise you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kaua'i are not holding up GPALS or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say, "Don't do it at all." Don't endanger this precious island for a Suicidal, Dangerous, Insane (SDI) program that we in the military don't need.

It. Col. Robert M. Bowman, Ph.D., is President of the Institute for Space and Security Studies in Melbourne Beach, Florida. From 1976 to 1978 he directed the "Star Wars" programs under Presidents Ford and Carter, when their existence was secret. His military career took him to 34 countries, and included 101 combat missions in Vietnam. His PhD is in Aeronautics and Nuclear Engineering from Cal Tech.

ISSS, 5115 S. AlA Hwy., Melbourne Beach, FL 32951; (407) 952-0600

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WR192

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April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
- 3. Nohill Dunes is a culturally significant area, inappropriate for use-as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious threats.

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Sincerely

Relevi K. Konnan - Avons Norma K. Konnan - Avons 1927 (ekia p! Kapoa, H. 96746

I would like to know why "mainland" mussle lesting facilities are surrounded by 100 miles of funced land wy no one allowed inside + PMRF, where there "old" mussles with likely age purpleness will be blown off; assuto a town. "Hend - sight" will not be good enough here.

WR193 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Mawarhan Address \_\_\_\_ City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR194

JOHN WAIHEE GOVERNOR OF HA VAII



### STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

HONOLULIJ HAWAN 96809

WILLIAM W PATY CHAIRPERSON BOARD OF LAND AND NATURAL RESOURCE

DEPUTIES

REF: OCEA: SKK

FILE NO.: 92-549 DOC. ID.: 509

Deputy Commander U.S. Army Strategic Defense Command ATTN: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

the State Department of Health.

Dear Sir:

SUBJECT: Draft Environmental Impact Statement (DEIS) for the Strategic Target System Program, Pacific Missile Range Facility, Kekaha, Kauai, Hawaii - TMK: various

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the submitted DEIS for the Strategic Target System and have the following comments. Also attached are comments from

Office of Conservation and Environmental Affairs Comments:

Under Section 4.6.1.1 covering flight preparation, potential impacts on land use could occur while the Strategic Target System Booster is on the launch pad. During this time (an average of 14 days), all nonessential contractor, civilian and military personnel as well as the public would be cleared from the explosive safety quantity-distance (ESQD) area. This ESQD area would affect approximately .5 mile of shoreline located within the PRMF Recreation Area 1. This represents 2.3 percent of beach area on along western Kauai.

Launches (4 per year) associated with the STARS Program would result in the closure of Recreation Area 1 for an additional 56 days per year. This represents an increase of 11 percent, from 30 percent (current percentage of days closed due to flight prep.) to 41 percent per year.

### WR194 (cont.)

Deputy Commander

-2-

File No.: 92-549

Actual launch/flight activity will affect 688 off-base hectares (1,700 acres) of state-owned land leased to the Kekaha Sugar Company for the production of sugar cane and 154 acres of Polihale State Park.

Land uses within the off-base ground hazard area would continue except during launch operations, when the area would be verified clear for safety purposes approximately 20 minutes prior to each scheduled launch. PRMF personnel may enter the area up to three hours before launch to post signs and to give notice to any people within the area of their need to leave. Clearance would affect only six percent of the Kekaha Sugar Company leased land and interrupt transit to Polihale State Park and the beach along PRMF.

The DEIS reports that access to Polihale State Park will be temporarily closed for a minimum of 20 minutes and up to 40 minutes per launch. In addition to STARS launch activities, these clearing/closure procedures, combined with similar activities for other PMRF/KTF and EDX program launches, could result in a total time of fifteen (15) hours per year that the area would be verified clear.

Also, as indicated in the submitted report, a memorandum of agreement (MOA) is being developed among PRMF, the Hawaii Department of Land and Natural Resources, and the Kekaha Sugar Company. This agreement would allow PRMF security forces to request that the area be verified clear of all nonessential personnel for approximately 20 minutes for each flight. Also, PRMF would notify the State in advance of clearance.

According to the DEIS, the calculated impact of missile launch activities on access to Polihale Beach Park and PRNF beaches would be equal to 80 minutes per year, with the potential for an additional 80 minutes per year to accommodate weather, maintenance, and technical delays, in which the area would be verified clear. We believe this underestimates the actual impact of launching operations on public use and access. If you add the time required for clearance activities preceding each launch, the impacts become more pronounced (3 hours/launch + 4 launches per year = 720 minutes per year).

Furthermore, it is assumed that delays associated with maintenance, weather, and/or technical related problems, would be only 20 minutes per launch. However, given the uncertainty of environmental variables affecting each launch, this assumption is questionable.

WR194 (cont.)

Deputy Commander

-3

File No.: 92-549

3

The DEIS is satisfactory from the standpoint of aquatic resources and values as well as flora and fauna. However, we are still quite concerned over the potential impact of launch/flight activities on public access to Polihale State Park and shoreline areas adjacent to PRMF. We question the reported closure/clearance periods and estimated launch delays (20 minutes respectively). It seems as though the actual time (launch window) necessary to safely and successfully conduct launch/flight activities would be somewhat longer. A more thorough/systematic discussion of launch/flight activities, including clearance activities, potential delays, and the exact areas to be affected should be conducted. Moreover, these launch/flight/clearance activities must be discussed in light of their cummulative/comprehensive impact on public use of the affected areas.

Also, our Department's Historic Sites section has responded directly to the DDD (refer to attached letter from HPD).

Thank you for your cooperation in this matter. Please feel free to call me or Sam Lemmo at our Office of Conservation and Environmental Affairs, at 587-0377, should you have any questions.

**ye**ry truly yours

PHILLIAM W. PAI

Attachment





JOHN C. LEWIN, M.D.

STATE OF HAWAII

September 26, 1990

in rapir, pisase refer to Errop

2-170

Mr. Randy Gallien, USASDC CSSD-EN 106 Wynn Drive P.O. Box 1500 Huntsville, Alabema 35507-3801

Dear Mr. Gallien:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

Air Pollution

The Environmental Assessment should provide as an appendix a detailed discussion on the sir quality impact analysis. As a minimum, the following areas should be addressed:

- The air pollution dispersion models and the meigerological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.
- Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.
- The impact is calculated for a distance of 9,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.
- The assessment of the emissions and the sir quality impacts resulting from a liquid fuel spill, a isunch pad explosion, and an early isunch termination should be conducted.
- 5, it is not clear whether only solid propellant boosters will be used or whether ifquid propellant may be used as an afternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

WR194 (cont.)

CHEN'S CHARLEN

-2-

September 26, 1990

a. Health risks associated with air quality impacts should be discussed. At a minimum, the impact results with threshold limit values adjusted with an appropriate safety factor should be compared. It would also be important to discuss long-term effects associated with repeated exposures to potential air pollutants including cardinogenio effects. Worse case and most likely case scenarios chould be considered.

#### Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of hazardous waste.

#### Hazard Evaluation and Emergency Response

- The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Detense Agency and the Kaval County Civil Defense Agency.
- For spills occurring during fueling/defueling of Hydrazine and Nitrogen tetroxide: "washing down to dilute concentrations" is not the best method for clean-up of these chemicals. Using sand or other absorbent material is the method of choics. Water spily should be used to confrol vapors (DOT 1990 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved,

#### Noise

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event, launches will not be simultaneous and the nearest noise sensitive area (residential), off base, is eight miles from the launch site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyances. This environmental assessment must include an analysis on the potential noise levels at the vanous communities that may be affected.

Sincerely,

BRUCE S. ANDERSON, Ph.D.

Daputy Director for Environmental Health

cc: Office of State Planning, Attention: John Nakagawa

-163

WR195 Dear Senator Grouge, and MR Gallien The S.T.A.R.S. project that is proposed for P.M.R.F. on Ravar. I am also against the further use of KWA) plew Atoll as tayet Zero for U.S. Army or Military moseles. as a cetizen who has Voted for your for 25 Yes on Ravai and a U.S.N Vet. Josk you to

WR195 (cont.) please do your best for your constituents on Kavai and your polynesian friends NO MORE STARS ON KAUAI STOP MISSILE PRACTICE IN KWAS Alew Atolleta Pale (Indi) U.S.N VET KAUAI, HAWAII P.S. you or a great

Senata and doing a great but

To Senator Daniel change Randy Gallien

I am writing to you in regards to the STARS program on Kauai.
I am very much against the STARS program. My reasons are;

- 1. STARS is not safe.
- 2. STARS is damaging to the environment.
- 3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freens in emissions from the missiles. Freens have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

WR196 (cont.)

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scraped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

Digid Mc Duch

Brigid McBride

P.O. Box 1476

Kapaa, Hi. 96746

April 2, 1992

April 8, 1992

Dear Senator Daniel Incure

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Fecility on Kauai. I am strongly opposed to Star Wars testing on Kauai

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our
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- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

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WR198 Black Schalol Sincaye and Mr. Sallien Cut sam derioàsie, Norrica Cut sam derioàsie, Norrica Carocet Star Wars - Cur sepriconnai Lere on Kanai in first what it Should he. Ruclear musiles Listand, Ollar and atmosphere Cleane Dort Rein our Vasten Dencercy, Danda Rodoste april 8, 1992 Please Reply-Po Box 22

Kolaus Ni. No. 54

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WR199 4-10-92 Dear Senator Inouge, I am writing so you rersonally, to Let you know how I feel about rocket launching on Kanai Kanai is a very Special place, with its now, unique Convironment and my reshearch has show that rocket launching could facily duturt your environment. In addition I am totally regulant a warrior stance on any well other Haan it of defences. As we all know, The world is becoming more peaceful and the need for super weapons is deminishing love against Lockets on Kauai. Keep our invironment. Sofe. aloka, Sincerely, Catherine Downey ND.
Pobor 629 Kilanea, HI. 96764

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WR200	
	April 10,90
9	Dear Senator drawge,
	Dam writing to capress 1 my concern over the Star Wars project on Kavair, Dam
	my concern over the Star
	Was project on Kanair of am
	Completely against this
	as a feel it
	threaters the safety of those
	threatens the safety of those living on Kanai. Not only
	1th a full moach on
	the Envionment, Dur one
	according
	are far too serious to ignore.  Asis is not about dobs
	this is not about dobs
	at omet, but about people's Rives and the preservation
	Ques and the preservation
	of our island.
<u> </u>	We must not allow
	the risks involved, trance has
	taken a stand against nuclear
	testing in the name of peace and it's time we do the same.
<u> </u>	TO I was so was a Hentier.
	TRank you on your attention.  May God be with you.
<u></u>	On Co
	Aloka, Donis Petrich
	CO Box 79
	Anahola, HI 96703

WR201 april 10, 1992 Lito Kup the penagul natur Eve Bruce P.O. Box 3500-173 Princeville, Hi. 96722

WR202 4/9/92 TO WHOM IT MAY CONCERN: I SUPPORT PARE BUT I DON'T SUPPORT STAR WARS. 2653 Alaekea Street Lihue, HI 96766 SS#575-58-5969 (808) 245-4024

WR203 4-10-92

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2

WR203 (cont.) 3 PO 846

Written Comment Sheet		
Strategic Target System  Draft Environmental Impact Statement		
Zant Zarv nvamitationa zarpute Constitution		
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.		
A Bran.		
you like do all dis cray on Fanai.		
you better think again. your not living		
on Kayai so of course you incunside		
people like ruin our" island.		
people "E"		
2/2 alan Borne 10 - DA ATAN		
of the state of th		
the view core out records		
Name Sivva Granda		
1.432 Veriban PP & F.		
Address Street Address City/State/Zip Code		
Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500		

I understand what your intentions so you can Wanting Stay ways protect America if somithing happens. But while doing that you will destroy our natural protection, our ozone. There is a little chance We will half it a real use those missles 100% Chance situation but it's a we will ruin our ozone layeri Poor people of the Marshall Islands are taken of there home land and cramped into a gheto Style Island. I don't call that working as one. Think About What Your Doing To Inocent People,

Pavid Granda

6433 Kavaihau RP. Kapaa, Hawaii, 96746

2-171

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Address 4050 Hawalistic Rd. 226 Johns Kanni Hi Mills

Street Address

Chy/Sate/ZipCode

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR207

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Along The Marines and others in the military one in the Mary who have traily devoted to their work and the Mary who have traily devoted to their work and the horse in the world strails with non and can sold space in the world strails with non and can be soldened to the any brothers, not SPI or any high of postets. I have a tope called his Attack on BIR Rombers, and BI strate Brahes the Attack on BIR Rombers, and BI strate determent on the world they say you can then up in the can to show an interpretable can be recalled it were be so unlike SDI which can't be repailed it were to show in the air in the SDI which can't be repailed on the strail of the air is the the and the about.

Name TETT CHAND WER Toff To Bloom Address P.O. Box 4477, Handles HANDLES HANDLES Address On Address Address

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

You are conzy people try of of OUN Island. We don't want hidrous missles on our island.

MARQUITA (5 years ob)

Name Marauita Granda

Advess 6A33 Kanaihau CP. 96716 Kapaa, Hanni

WR209

KEKAHA SUGAR

PO Box 549 Kekaha Hawaii 96752 (808) 337-1472 Fax (808) 337-9209

1

April 13, 1992

Deputy Commander, U. S. Army Strategic Defense Command CSSD-BN-V (D. R. Gallien) P. O. Box 1500 Huntsville, Al 35807-3801

ear Sir

Subject: Comments on Strategic Target System
Draft Environmental Impact Statement

Rekaha Sugar Company has cooperated with the Pacific Missile Range Pacility in its missile launching activities for almost 30 years. For the most part we have been able to minimize the economic impact of the Ground Hazard Area closures by rescheduling activities or moving operations to other fields.

However, the SDI program is of a larger scope than previous ones, with up to 15 launches and 30 possible GHA closures per year. Because of this, Kekaha Sugar Company might not be able work around some of these launches and will have to stop some operations.

Interrupting operations or stopping them altogether, will cost our Company money. The degree of impact on our costs will depend on what operation is affected and the duration of the closure. The operations most likely to be affected are harvesting, field preparation, planting, weed control, and irrigation.

The costs of these operations range from about \$1,000 to \$7,000 per day. If 30 launch closures prevent us from completing the harvesting and processing of our crop, then we stand to lose \$100,000 in revenue for each day of interruption. These figures are rough estimates and are intended to give you an idea of the dollars involved.

We look forward to working with the Army in developing a compensation plan to cover the costs incurred by Kekaha Sugar because of the SDI missile launches.

Yours very truly,

L. A. PAYE JR.

Vice President and Manager

xc: Mike Burke

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No yockets is paradise!!!!

Ne heed a ozone layer!!!!

Ne don't need missles!!!!

Stay of any island!!!!

Cassidy brandar
Hassidy branda Hawaii, tapana
Casaldy Granda

WAZII Sonorable Senator Inonye

Honorable Senator Akaka US Senate Washington, DC 20510

Dear Senator Akaka,

1

I live in (your town, your state). I am very concerned about the proposed Star Wars testing launches from the island of Kauai. Using a rare, lush tropical garden as a launching pad for antiquated and dangerous polaris missles seems absurd.

This island is a national treasure not a potential hazardous dump site for hydrazine/nitrogen teroxide and other rocket fuels.

Considering recent developments in Europe & the former Soviet Union, far-flung STARS missle systems seem an incredible waste of tax money we cannot afford. Certainly jobs can be created in a wide variety of life enhancing industries, environmental concerns and social issues rather than on building more war machines.

Finally, the STARS Environmental Impact Statement has listed the Marshall Islands as the target area for these proposed missle launches. These are the same islands which we have devastated since the 1950's testing nuclear missiles. Over 10,000 islanders are still living there in crowded ghettolike conditions, surviving on government handouts while their farming lands and fishing grounds are used for targets.

To continue our role in this oppression is a national embarrasment and must be stopped. Please use your power to stop the proposed Kauai missle launching and put an end to the Star Wars program. NOW.

Thank you,

WR211 (cont.) KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL & That Stansach For Kouni at Karabia, Ni 96 141 May Kynokes Billy KAdrelaulis 2249 Kupi Rd KOLDA, \$4 96756 Kdac, Knapi, 96156 2281 Ral Rd. Koloa Kanael 96756 jawai Kauai awai Kauai, HI 96756 Uslu Dehlo PO BOX 594 Kolos, 111 96756 CARLA BILVA PULL RD. MALAHED, HI 9674

Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. PROJECT MUST BE # CROWN LANDS - HAWALIAN LAND NOT GAVERMENT LAND SWAP - MAWAHAD HOME KANDS NichAW WATER - JEBPARDIZE the hEALTh CANT AMINATION OF HAWAII AN LANDS MARINE LIFE-CATASTROPHIC KANNEH Knuri 550 sq miles - DEADLY FOR ALL Address City/State/Zip Code Street Address Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

WR211 (cont.)

WR211 (cont.)

Written Comment Sheet

#### **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Address X.

Please hand this form in or mail by April 13, 1992 to: Penee Deputy Commander
Be U.S. Army Strategic Defense Command
With Attention: CSSD-EN-V (D.R. Gallien)

with P.O. Box 1500

Huntsville, Alabama 35807-3801

Peace

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL & The PMRF

WR211 (cont.)

WR212 Senator Snouge and mer Gallien of raket systems perced together from WR212 (cont.) sutdated or obsolescent parts & chels garbanter The Russian counter track as expected . Here polarization Lein addressed? Has there study of the possible impact knowing a the defence contracting indus well lenefit seonomically? Is that industrial infrastructed infrastructure located elsewhere? How much money is spent by the government on pro 5 DI public relations campainging and propaganda? and why is any part of the defence establishment spending money trying to affect public opinion?

Is not the responsibility of the Defence Department to defend rather that than mold public opinion?

Obandoning The SOI experiments on Kausi can bound only improve the image of the island, a fine place to visit about live. Why tamper with a good thing? Keep the rockets of Kausi. and answer my questions.

Sincerely,

Orielle Dent

Orielle Dent

Against Star Wars 4/13/97

To The Military:

I feel that your star wars project may bring us more harm than good. And to the Marshalese Ono good will be brought. We teach our children to put ourselves into others shoes Did you for get that lesson that we should have initially learned in childhood How would you like to have your homeland be the target! Hesting ground for and the the Star Wars? Would & if your children were the victims of this We must learn to live & more peacefully with each other as these & boundaries are man's Figurest of imagination and cheated out of that In actuality we all live together and arel the family of man? your own family. would you bomb them? Or even there thome it they weren't present? I say "No" to D. Brandy

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A voke for No Action 4/13/92

more depleted every year Skind cancer is on the tise. Many countries have given up even the use of spray rans. Is it really responsible of you to further deplete our ozone. I moved to kanai because of the environment being so clean & beautiful. And a lot of people visit here for that some reason. Take your pollution somewhere else! It seems your worst enemy is your selves. Stop... for the children.

sin wely,

WR215

#### Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Den Mr. gallien & Senath Introge,

We neck air to live. If we don't breake

air we die. So do all crest was and plants.

If we breake topic air we die. If top dollars

are being wasted on killing sursalves than

what is the point of brying to break? If you

cannot unaerstand the bottom live of being alive

and being dead than I pray in you.

No STAR WAR GAMES Alone,

PLEASE God Bless

Jana Will Manne

Name JANET NE UMANN

APRIL 9,1992

Address to 239 KILAWAN HI 9679-1

Street Addre

City/Suns/Zip Code

Please hand this form in or small by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

WR217	
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The second secon	P.O. BOX 738
	Kilauea, H. 76754
	542.74.2292
	808-828-1337
	000-078-1004
	The state of the s
•	

WR218 Dear Senator Snoyz and Mr. Sallien -My Heesland and I huly o not Support the Stoots Nuclear Missles on Lavai Oclar and UN Clining things un the Universment Sincerly Please SAVE OU Foland Shelly Spencer 48.92 WR219

To Whom It Was Concern,

April 10, 1992

I am in support of the people of PMRF but I am opposed to the Sty Wars STI proposal project because these are excessive, inappropriate expanditures that as a tax paying citizen I see as vary low priority in the United States today. We need complete nuclear disarmament, not missles that intercept them in space. We don't need expensive laurdards that may not work. We need to commit all the leaders of this plant that nuclear payloads will no longer exist.

Funcusely,
John S. Banley
RO. Bax 739
1Glauca, Iti

96754

WF1220

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

launching down our throats without.

due process. Hold a special election or the island. To determine the well of the break residents. The impact study is merely a smokescreen. Don't insult our community!

Name andrew Brower

Address P.o. Box

Please hand this form in or mail by April 13, 1992 to:

96703

City/State/Zip Code

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801 WR221

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against the use of Kavai as a test sight for SDI, as are 90% of Kavai residents. What is in it for us? We don't receive federal money for roads, schools or parks. Why should we risk our environment and loose the use of the westside beaches for this "beached whale" project.

Name Lawel Brier

Address P.O. Box 220 analola, Hi 9670:
Street Address Chy/State/Zip Co

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command

Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

APRIL 12,1992

1

RE: STRATEGE THREET SYSTEM
DRAFT ENVIRONMENTAL IMPACT STATEMONT

DEAR SIR .

SURELY THE ARMY CAN FIND LESS COSTLY,
MORE EFFECIENT WAYS TO SPOND OUR TAX MONEY
THAN ON THE 30 CALLED STARS SYSTEM. THAT THE
DRAFT ETS SAYS THERE WILL BE 'NO SIGNIFICANT
IMPORT" DOES NOT REASSURE ME - PARTLY
BETAWSE IT DOES NOT DEFINE WHAT THEY"
CONSIDER A SIGNIFICANT IMPACT AND PARTLY
BECAUSE I SIMPLY DO NOT BELIEVE THAT HUMAN
GETNES ARE INFALLIBLE - ACCIDENTS OF ALL
GORTS DO HAPPEN. THIS ISLAND OF SOME
SOUTH DO SOUND IS TRULY ONE OF THE MOST
BETHUTFUL SPOTS ON EARTH, AND, TO BESIDES
BETHUTFUL SPOTS ON EARTH, AND, TO BESIDES
BETHE OUR HOME, IS HOME TO MAKEY ENDANGED SPECIES (PROTECTED BY FEDERAL LAW).

I COULD GO ON FOR PAGES LISTING WHAT

I (AND MANY OTHERS) CONSIDER FAULTS IN THE

DRAFT ETS AND IN THE BASIC PREMISE OF THE

STAR SYSTEM, AND FOR PAGES MORE LISTING—

OTHER, BETTER WAYS TO EMPLOY THE MONEY AND

THE ARMY, BUT YOU'VE PROBABLY HEARD MOST

OF THEM FROM OTHERS BY NOW SO I WON'T.

REGISTER ME AS A "NO" VOTE, PLEASE "SHOOT

DOWN" THIS PROGRAM AND COME CHECK OUT

KAWAI FOR YOUR NEXT VACATION, YOU'LL LOVE IT, TOO

Linda C. Chandles HAWALES, HAWAN 96714

R223	
Dur	Senator Inouge, 4-9-92
	1 /
	planet, including here on Knuin. I vote for no Stan Ward support angwhere.
	planet including here on Kaun. I vote
	for no Star Ward support anywhere.
	The only reasons I peared at the
	diarings for it were leanonice - people
	in lan that without this project they localed
	late ther jobs (- why not crest jobs
	that support sence?) and vicause
	of "defense. I don't see an
	enemy "out there" - except us
	agains the environment.
	Let peace begin with me.
	Sinsarely,
	Dibra Joyce Come Debrashyce (one POBOX 910
	POBOX 910
	Kilaula H1 96254

Written Comment Sheet

### Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I want to go on record against the use of pm RF or any Kauai facility for the use of SOI testing. The social and environmental risks do not make the economic benefits to the island worthwhile—and I don't believe our nation needs this expensive project for our defense.

Name Robert Brower

Curry 4 3 d

Uh 96703 City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command

Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR225 FROM DAVID & Heidi Phodes 1321 KIOWAI PL Jear Senator I house and MR Gallier, We are a Kavai Couple when

DE NOT Support the STARWars PROJECT especially here
on Kavei. De do support PMRF.
We want you to properly represent
the vast majority of residents here

"un. Javid Khodes

in opposing any further development

of this program on our Island. Thank you both for secure,

a same (No STARS) policey!

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\* SUTE 1004 • HONDULU, HAWAN 96813 • TELEPHONE (808) 524-2302 • F4X (608) 537-4268

April 13, 1992

Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

> Re: Draft Environmental Impact Statement (DEIS) for the Strategic Target System (STS) (Launch of Strategic Target System Vehicles from the Kauai Test Facility at the Pacific Missile Range Facility on the Island of Kauai, Hawaii)

Native Hawaiian Legal Corporation is a public interest law firm which provides legal representation for ethnic Hawaiians. Our comments here relate to protection of the interests of Native Hawaiians who are beneficiaries of the Ceded Lands Trust established in § 5(f) of the Hawaii Admission Act and who could be aggrieved by failure to comply with federal and state law as it pertains to the management and use of those lands.

Our principal area of concern here is that any activities relating to this project that take place on or otherwise impact Ceded Lands owned by the State of Hawaii and made available to the United States as a tenant of the State under any permit, lease, license, or Governor's Executive Order be conducted in full compliance with applicable laws of the State of Hawaii. Our concern is based on the position recently advanced by the federal defendants in Sierra Club v. Chenev, U.S. District Court for the District of Hawaii, Civ. No. 90-0775 HMF, that the U.S. Army need not comply with Hawaii law by obtaining a conservation district use permit from the State of Hawaii Department of Land and Natural Resources prior to undertaking this project. The clear implication of Sierra Club is that the Army does not feel itself obligated to comply with Hawaii law in its conduct of this project.

In <u>Sierra Club</u>, the Army relied upon the alleged absence of any waiver of the sovereign immunity of the United States that would permit suit by the State of Hawaii or any other party to seek compliance with Chapters 171 and 183, Hawaii Revised Statutes. The court followed <u>Hancock v. Train</u>, 426 U.S. 167 (1976) to find that the State of Hawaii could not force compliance with State law under the circumstances of the case before it. <u>Sierra Club v. Chenev</u>, <u>supra</u>, (Order Granting In Part

The transfer to the street of the composed process of the composition 
WR226 (cont.)

U.S. Army Strategic Defense Command Comments on STS DEIS April 13, 1992, p. 2

And Denying In Part The Army's Motion For Summary Judgment, Denying Sierra Club's Countermotion For Summary Judgment, Granting Summary Judgment For The State, And Ordering An Injunction Of The STARS Project Pending Supplementation Of The Army's Environmental Assessment) (D. Hawaii May 9, 1991), slip op. at 35-38 (Ezra, J.).

The <u>Sierra Club</u> court noted that "The government is immune from suit unless it consents to be sued by statute or by contract." <u>Id</u>, slip op. at 36. It is significant, however, that at no point in the <u>Sierra Club</u> opinion was mention made of any allegation of the existence of a contractual relationship between the United States and the State of Hawaii. We note that the DEIS contemplates that the Army will use certain public lands owned by the State of Hawaii, including in particular Polihale State Park, under the terms of a Memorandum of Agreement and Grant of Easement with the State of Hawaii. <u>See</u> DEIS, App. B and C. It is also our understanding that at least a portion of the land underlying the Kauai Test Facility of the Pacific Missile Range Facility is also owned by the State of Hawaii and is used by the United States under the terms of one or more leases, permits, licenses, or Governor's Executive Orders granted by the State of Hawaii. Such agreements are clearly <u>contracts</u> between the State of Hawaii and the United States, and the status of the United States and the U.S. Army and Navy in their use of these lands is thus that of tenants occupying State-owned land.

Where the United States is a tenant occupying land owned by the State of Hawaii, the protections of sovereign immunity and <u>Hancock</u> are inapplicable to the question of the State's enforcement of federal compliance with Hawaii law. The Tucker Act, 28 U.S.C. §§ 1346(a)(2), 1491, provides the required waiver of sovereign immunity in such cases and would permit the State of Hawaii to sue in the event the United States should breach such a contract (including breach of the implied condition that the tenant must comply with applicable laws), either by seeking specific performance (federal compliance with Hawaii law) or by seeking termination of the contract and the cessation of federal use of these State-owned lands.

It could be argued that some or all of these contracts may lack any explicit requirement for federal compliance with Hawaii law as a condition of the contract. We doubt, however, that any explicit waiver of such a requirement will be found in these agreements, either. We know of no statute or other law of the State of Hawaii which would permit the State or any State agency to waive the obligation of any tenant, including the United States, to comply with such laws of the State of Hawaii as, e.g., Chapters 6F, 115, 174C, 171, 183, 183D, 187A, 190, 195, 195D, 198D, 205A, 226, 228, 286, 340S, 341, 342B, 342C, 342D, 342F,

Nioio.

#### WR226 (cont.)

U.S. Army Strategic Defense Command Comments on STS DEIS April 13, 1992, p. 3

342H, 342I, 342J, 342L, 342N, and 343, Hawaii Revised Statutes. In the absence of such authority we do not believe any such contract could reasonably be interpreted as waiving the State's otherwise undoubted right to enforce its laws against its tenants. In any event, to avoid any ambiguity on this point we will be requesting that the State of Hawaii Board of Land and Natural Resources insist on the inclusion of an explicit requirement for federal compliance with <u>all</u> laws of the State of Hawaii in any Memorandum of Agreement or Grant of Easement which it approves with respect to this project. This would make explicit the requirements we believe are implicit in all such agreements now in effect. Such action by the Board would be entirely appropriate in light of the Board's land management responsibilities under § 26-15, Hawaii Revised Statutes, and the State's trust obligations under § 5(f) of the Hawaii Admission Act. We further ask you to note that the Board cannot approve such an agreement without itself ensuring compliance with Chapters 171 and 183, Hawaii Revised Statutes, and that such compliance is also enforceable by the public under, inter alia, the Hawaii Administrative Procedures Act, Chapter 91, Hawaii Revised Statutes.

Because we believe the Army must comply with State law in its activities on all lands owned by the State of Hawaii and that any potential non-compliance with State law is a significant fact that should be disclosed in the Final EIS for this project, see 40 CFR § 1508.27, we ask that the DEIS be modified to identify all lands owned by the State of Hawaii which will be affected by the proposed project and to describe in detail the measures which will be undertaken to ensure full compliance with Hawaii law or, if such compliance is either not possible or is not contemplated by the Army, the extent to which the project will not be in compliance with such laws.

Very truly yours,

Coll C. Chuido

Carl C. Christensen Staff Attorney

cc: William L. Paty, Chair, Hawaii Board of Land and Natural Resources

'All of these laws were cited in DEIS Table 1-2 as having been "considered" in the preparation of the DEIS, although it is claimed that this "does not mean they are legally applicable or relevant."  $\underline{Id}$ ., fn. 2.

9	Kines Stewle 10 APRIL 1992
	AMA, HAWAH 96-766
	Serelor Inouge.
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_	this is a letter to enarage
_	you to open to the real reason
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77	we have blessed to live in
=	He most beautiful paies in the world-
1	she of the healthiest places to
	fire and enjoy life and to keep
17	pe Almosphere and Air is important
	aspect of gil of life + the generations
	to come. I encuracy you to
	Put a stop to the starwars
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	DIOLSO HOLD US to KEEP OUR, DOO
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ı	nuclear vaste - ruase surrout
1	our Highest wishes and desires of

WR227 (c	ont.)
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	the ALOHA-thymanswanting to
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	Lots Foralt about ignorand
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	FUNDAN) T. CHOICES THAT TRUELY.
	of our past on to step Forward & CHOICES THAT TRUELY, Benefit the people of this land-
	- TV
	XXMT
	C/6:2 C1. 1/0
—	- Karen Stedle

WF1228

april 9, 1992

Kouai how had a singue kistory as a place of strategic importance for mainland military interests for many years. Her reason has been for defense: the usual how been jobs.

speak out against Stavillars because they need the support of the military incomes to stay affect.

She business commenty, the people who have military jobo, the military itself can all come out on top by one solution. Change the Reason.

Change the reason for defense to Reason for saving

Convert Star Wars military jobs to civilian job.

Put money for missles into Save the Whales.

Arest axid Rown and Brevent Pollection on this

Planet Just befor its too late for life - ariod!

Bonnie MiBride

# Responsible Citizens for Responsible Government



1

MARCH 24, 1992

THANK YOU FOR HOLDING THIS HEARING AND THANK YOU FOR PROPOSING THIS PROJECT FOR KAUAI BECAUSE IN A STRANGE WAY I HAVE COME TO SEE IT AS A BLESSING. IT TOOK THE THREAT OF STAR WARS MISSILES ON KAUAI TO UNITE CITIZENS IN A WAY THEY HAD NEVER BEEN UNITED BEFORE. THIS ISSUE HAS REACHED CITIZENS IN EVERY TOWN ON THE ISLAND BECAUSE WE KNOW IN OUR HEARTS THAT STAR WARS WAS NOT RIGHT FOR KAUAI - THAT THIS PROJECT ACTUALLY ENDANGERED THE SPIRIT OF KAUAI.

THIS PROJECT HAS ALSO TAUGHT US THAT DOCUMENTS LIKE THIS E.I.S. ARE WAY TOO NARROW IN THEIR SCOPE - THAT THEY CAN NEVER MEASURE THE THINGS THAT ARE TRULY IMPORTANT - LIKE IMPACT TO THE SPIRIT OF AN ISLAND AND IMPACT TO THE DIGNITY OF NATIVE PEOPLE. I WAS APPALLED TO LEARN THAT THE IMPACTS OF THIS PROJECT REACHED FARTHER THAN KAUAI - ALL THE WAY TO EBEYE ISLAND AND KWAJALEIN. AS A CITIZEN E.I.S. REVIEWER I RAISED THE ISSUE OF THE KNOWN HUMAN RIGHTS ABUSES TO THE INDIGENOUS PEOPLE OF THE MARSHALL ISLANDS THAT THIS PROJECT WOULD PERPETUATE - BUT I WAS TOLD THIS DIDN'T FIT WITHIN THE SCOPE OF THE E.I.S. WHEN HUMAN RIGHTS ABUSES TO NATIVE PEOPLES THAT ARE PAID FOR BY OUR TAX DOLLARS DON'T FIT INTO AN ENVIRONMENTAL

Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, Hi 96714 Phone - (808) 826-9005 FAX - (808) 826-7425 WR229 (cont.)

# Responsible Citizens for Responsible Government



IMPACT STATEMENT - SOMETHING IS VERY WRONG WITH THIS PICTURE

THIS PROJECT HAS ALSO TAUGHT US TO TRUST OUR INSTINCTS. NO MATTER HOW MANY PREPARATIONS ARE IN THE E.I.S. WE KNOW AN ACCIDENT CAN HAPPEN - AND SO DOES THE ARMY. THE DIFFERENCE IS THAT WE FEEL KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!! FOR INSTANCE, OUR LIVES AND HEALTH ARE THREATENED NOW BY OZONE DEPLETION, YET THE E.I.S. DISMISSES ITS RELEASE OF NEARLY 8000 POUNDS OF FREON BY SAYING THE BRAND IT'S USING IS BAD BUT IT'S NOT COVERED BY HAWAII STATE LAW. PLEASE - THIS IS OUR AIR. AND WHY AFTER CITIZENS HAVE EXPLAINED THAT NOHILI DUNE IS SACRED AND VERY IMPORTANT TO NATIVE HAWAIIAN CULTURAL HERITAGE -THAT IT SHOULDN'T BE CONTAMINATED BY CHEMICALS OR POSSIBLE FIRES OR EXPLOSIONS DOES THE ARMY STILL ASSUME IT'S OK TO LAUNCH THERE. IF YOU WOULDN'T LAUNCH MISSILES IN THE GRAND CANYON, OR IN YOSEMITE, WHY LAUNCH MISSILES FROM NOHILI DUNE AT POLIHALE - AN ENVIRONMENTAL NATIONAL TREASURE.

THIS PROJECT HAS ALSO TAUGHT US TO REALLY QUESTION BIG TICKET DEFENSE PROJECTS. AFTER REVIEWING THE REAMS OF MATERIAL CRITICAL OF STAR WARS, MANY OF US HAVE COME TO BELIEVE SDI TRULY STANDS FOR **STUPID**, **DANGEROUS AND INSANE**! THAT SPENDING 90 BILLION TO A TRILLION DOLLARS ON A PROJECT THAT FEW BELIEVE WILL WORK AND THAT MOST FEEL WILL ONLY ENRICH DEFENSE CONTRACTORS IS AN ATROCITY.

Responsible Citizens for Responsible Government, PO. Box 1440, Hanalei, Hi 96714 Phone - (808) 826-9005 FAX - (808) 826-7425 2

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WR229 (cont.)

# Responsible Citizens for Responsible Government



AND FINALLY FROM THE LEGACY OF RONGELAP, BIKINI AND ENEWETAK AND NOW STAR WARS WE HAVE LEARNED THAT WE CANNOT CONTINUE TO USE THE PACIFIC OCEAN AS A DUMPING GROUNDS FOR WEAPON SYSTEMS THAT HAVE BROUGHT US NO CLOSER TO OUR TRUE GOAL OF PEACE.

THE WORLD DOES NOT NEED MORE MISSILES FROM KAUAI THE WORLD WOULD BE BETTER SERVED BY SHARING HER SPIRIT
OF ALOHA. THE DEFINITION OF PACIFIC IS PEACEFUL. LET US
LIVE UP TO OUR NAME. LET A TRULY PEACEFUL FUTURE BEGIN
HERE TONIGHT ON KAUAI. LET THIS BE THE END OF
CONFRONTATION - LET US BEGIN TO DISMANTLE THE TRILLION
DOLLAR YEARLY BUSINESS IN ARMS SALES. LET KAUAI LEAD THE
WAY INTO A TRULY PEACEFUL 21ST CENTURY.

SO COLONEL GUS, TELL YOUR DECISION MAKER THAT HE AND ALL OF YOU ARE ALWAYS WELCOME HERE ON KAUAI - BUT WHEN YOU COME - PLEASE LEAVE YOUR WEAPONS BEHIND.

MAHALO.

ELIZABETH FREEMAN

P.S. I AM SUBMITTING AS PART OF MY TESTIMONY THE VIDEO HOME ON THE RANGE FOR YOU TO VIEW.

Responsible Citizens for Responsible Government, RO. Box 1440, Hanalei, Hi 96714 Phone - (808) 826-9005 FAX - (808) 826-7425 WR230

JOHNSAY A. RIKLON, Esq. P.O. Box 5125 Ebys, Kwajalein Republic of the Marshall Islands 96970

Tel: (692) (87) 3100 Fax: (692) (87) 3297

22 August 1991

Members of the Kaua'l County Council Libue, Kaua'l, Hawaii

Yokwe kom: (Greetings)

I take this opportunity to address you on what for us at Kwajalein in the Marshall islands is a most important issue, the continued firing of missiles to our atoli.

I have only recently been informed (yesterday) of the fact that we would be on the receiving end of even more missiles, this time from the homeland of our cousins in the Pacific - from Hawaii. We were never extended even the courtesy of having our people told of this fact. But for my visit to Hawaii on a totally unrelated matter, our people would still have remained ignorant. As far as I know, I am the only one so informed so far.

People who have not lived on very small islands do not fully appreciate how precious we take our islands. In 1956, a delegation of Marshallese leaders addressed the United Nations saying:

Land means a great deal to the Marshallese. It means more than just a place where you can plant your food crop and build your houses, a place where you can bury your dead. It is the very life of the people. Take away their land and their spirits go also.

I imagine the indigenous people of Hawali can understand our feelings for our land.

The firing of the missiles to Kwajalein atoli threatens the integrity not only of the waters and lands in the vicinity of the target area, but the people living in the nearby islands as well.

The experience we have already gone through in other experimentation by foreigners have caused us to have very little faith in the representations of their scientists and government agents who continually tell us not to worry. Our children, husbands and wives and elder folks, just by the remaining scars on their bodies speak much louder to us. We can not accept the representations that such testings are safe to

#### WR230 (cont.)

us. The legacy of Rongelap, Bikini, Enswetak and Utirik remains a daily horror to us and a constant reminder that there can be no assurance of safety.

These people who are firing at us don't even know us. We are just a spot in the Pacific, a target. They know nothing of our customs, our traditions and our history. They have somehow equated the American dollar to the value of our peoples health, safety and very lives.

Please understand that we in the Marshall Islands are people who laugh and cry, who bleed and sweat, who have fears and joys and who love our children just as any other people of this planet earth. Just as I am sure the people of Kaua'i would not appreciate having missiles from Kwajalein targeted for their homeland, I hope you can understand how we would not appreciate your lack of opposition to the STAR/EDX missile program.

Ilo kautlej.

WR231



Kaua'i Group of the Hawai'i Chapter Post Office Box 3412 Libu'e, Kaua'i, Hawai'i 96766

April 13, 1992

(1, 50) (1, 6)

Mr. Randy Gallien Lt. Col Gus Manguso USASDC P.O. Box 1500 Huntsville, Alabama 35807-3801

Re: Draft EIS for STARS

Aloha, Gentlemen:

On behalf of the Kauai group of Hawaii's Sierra Club, we reject the 'Draft Environmental Impact Statement for the Strategic Target System' dated February, 1992, as inadequate.

The reasons are many. We reject it entirely, and the program it explains, on the basis of principles:

- 1. The National Sierra Club opposes space-based weaponry, with specific mention given to 'Star Wars' programs.
- 2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.
- 3. Purther, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STARS/EDX program itself is designed to protect us, some day, against an enemy that no longer exists. [And if the U.S.S.R. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICEM overtly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? (see Chaz Jetty's testimony, attached. I thought it was 'best of the show' for both nights.)]

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

Alternatives: Page 5-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy functioning military. As I have previously pointed out, if this country can spent \$561 billion on militarism for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.

#### WR231 (cont.)

#### Air Quality/Atmospheric jQuality:

Air. I recall in reading the EA that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were exempted from the air quality problems, because of our trade winds. I wish to point out to you that hazardous emissions don't vanish when they drift out to sea; consider the mysterious eye tumours of the sea turtles. These creatures are now starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put in the air and in the sea.

Atmospheric Considerations. This is as good a place as any to stand up on my soap-box for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inerited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at life the way we're going now, we'll simply give them the landfill and poisoned mayhem of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are our age?

Will our children sit inside except for morning and night because the life rays of our sun have become cancerously fatal to them? Will they shelter their daughters and sons, our grandchildren, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I'm told that each launch would deposit the equivalent of 66 refrigerators' worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

WR231 (cont.)

Biological Resources: The researchers from Moss Landing Marine Laboratory who spoke at the hearing (Tom Novis and Anne Zoidis) encapsulated our concerns very well. [I know you're already onto this, Randy: I saw you taking notes while both of them spoke.] We feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PMRF.

Cultural Resources: Nohili dune is sacred. It is an inappropriate place for war machinery. I refer you to the presentation of various members of NoHili Coalition, Kaleo Patterson's in particular. Please note, in your draft EIS, page ES-3: "The entire land area of KTF and PMRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

Land Use: You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of citizen reviewer Kaleo Patterson's guests at the second citizen reviewer meeting, and to Ms. Davianna Magregor's verbal testimony at the public hearing. The land surrounding PMRF [indeed, the land underlying PMRF] belongs to the Hawaiian nation; Kekaha Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

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Additional Land Use Issues: Please refer to the excellent material submitted to you by Dr. Raymond Chuan, attached. Dr. Chuan points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, until they have actually changed in peoples' minds (see also the verbal testimony of Mr. Micco Godinez from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

(under 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry projected that a spill like the Valdez' (yes, you've heard this one from me before. . .) would occur once in 241 years. It only took seventeen.

Errors are human; they compound one another. One guy's not getting along with his wife; the wind is blowing wrong; the wrong computer program gets loaded; a submarine trips up an underground cable and accidentally shorts out a monitor; rust gets another one. A message gets garbled on somebody's machine; an almost-right part gets sent instead of the correct

(3)

(2)

WR231 (cont.)
one; the storage tank was built by somebody with a hangover. Your fuels might get transported down our little highway (as in two of your four scenarios listed): How about the drunk driver, the blowout of a passing vehicle's tire?

These are the elements of disaster. They are never planned. Combine the infinite random variables with antiques of rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

Infrastructure: Your 'fire suppression system' is 1 PVC water pipe. That's sure to put out an explosive fire.

Socioeconomics: We reject utterly your ntion that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90% dependent upon tourism for our livelihood. It's too high a percentage, but it's very real. I would like to point out to you that the Kauai Economic Development Board has just applied for more than \$1,000,000 in grants to counter the detrimental economic effects of national news coverage of our one-day flood of December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of closed-off state park access to campgrounds? One missile shot inland by accident? Reduced tourism because of increased ozone depletion and skin

Finally, there are two specific charts that concern me particularly in your draft EIS:

- l. On page 2-5, your Strategic Target System Launch Vehicle Comparison chart is invalid. It tells the truth as  $\frac{1}{2}$ far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?
- 2. On page 3-5, your Hundred-Year Tsunami Flood Zone Map, honestly depicted as 'not to scale,' has miraculously established that the dune/launch area is out of the tsunami zone. According to Kauai Civil Defense, the entire Mana Plain is in a tsunami zone.

Time moves along, on small scales and grand ones. Since your postmark deadline for comments is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth. For the life of the land, we thank you

WR231 (cont.)

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I believe that lasting peace and prosperity in the world will never be achieved through military might or the threat of violence. The Arabs and Israelis have been at war for over 4,000 years. They used to throw rocks at each other - now they throw missiles. Nothing has changed. Violence only begets violence. Fear begets only fear. Fear and anger serves only to divide people and set them against each other. This is exactly what the arms manufacturers want. This is how they make their billions. This is how they take our money and steal. our children's future from us. Deceit and lies keep us fearful and angry and divided, but they are only lies. We were told that the atom bomb would bring peace to the world. That was a lie. They say that Star Wars will make us safe. I believe this also is a lie. It won't stop a nuclear warhead hidden inside an imported car. It won't stop a nuclear warhead hidden inside a sailboat floating into Pearl Harbor. It won't stop Saddam Hussein. If Saddam Hussein wanted to detonate a nuclear device in the United States he could simply hide it in a 55 gallon steel drum, label it "oil" and let Exxon deliver it for him. Star Wars won't work against nuclear terrorists. It's like spending 30 billion dollars to have burglar bars installed on your home, and then leaving the back door open when you go out.

WR231 (cont.)

April 11, 1992

#### COMMENTS ON PROPOSED GRANT OF EASEMENT

Ray Chuan

- 1. Easement not related specifically to STARS program, or any program, for that matter. In the preamble, p. C-1, Appendix C of DEIS, the only reference to programs is contained in paragraphs 2 and 3 on that page; and refers only to "Department of Defense and other federal projects involved with the launching, tracking and collection of data associated with guided missiles, satellite and space vehicle research, development and evaluation and military training programs; ..." One has to conclude from this that the United States government intends to use the "easement" for any and all present and future programs, for an indefinite period, since the duration of the proposed "easement" is not yet specified by the United States.
- 2. Easement conveys to the United States control of State land use for the duration of the easement, an indefinite period. Paragraph 1. on p. C-2 of Appendix C, prohibits the State from exercising any control of land use in the defined areas of state land, not just during periods of launch activities (as called for in the Memorandum of Agreement, Appendix B of DEIS), but for the entire duration of the easement grant, which is yet unspecified. This is a serious intrusion into the rights of the people of the State of Hawaii, through their state government and, specifically, the Department of Land and Natural Resources, to determine land use issues by established statues and rules. While the closing of the subject areas during launch periods is covered by paragraph 2 of the proposed Grant of Easement, and is thereby limited in duration, paragraph 1 nevertheless takes away from the State the right to control the use of its land beyond just the few hours during a launch operation. The inclusion of paragraph 1 in the easement clearly shows that the United States government intends to expand its activities at PMRF, beyond those concerning which the DEIS has been prepared. The entire DEIS is therefore defective by virtue of the provisions of the proposed grant of easement.
- 3. No responsibility to notify the public of launches. Paragraph 7 of the proposed Grant of Easement states, "The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights." There is no commitment on the part of the U.S. to notify the public of the State of Hawaii.

#### QUESTIONS

One has to question the whole purpose behind this proposed Grant of Easement. This document was not introduced in the earlier Environmental Assessment nor the subsequent Supplemental EA; but only appears in the current draft EIS. It should be noted that the date on the draft Grant of Easement is 1/29/92. So presumably the military had second thoughts about how much control it needed over the state land adjacent to the present boundaries of PMRF. Is the Memorandum of Agreement even necessary if the Grant of Easement is signed by the State? How much money is involved in the Grant? What is the duration of the Grant? Without specific answers to these and

#### WR231 (cont.)

probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the Unites States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?

Can we get the SCLDF to look into this; and possibly include it in the ongoing suit? Are there other cases like this between the US and a state? Does this broad grant of state's rights open a new Pandora's Box? What can we do to get the issues aired? Any lawyers locally who may be interested in looking into this?

0000 CHUAN HANALEI

TEL 800-626-1115

P. 2



Kaua'i Group of the Hawai'i Chapter Post Office Box 3412 Lihu'e, Kaua'i, Hawai'i 96766 April 13, 1992

Mr. Randy Gallien Lt. Col. Gus Manguso USASDC P.O. Box 1500 Huntsville, Alabama 35807-3801

Ra: Draft MIS for STARS

Aloha, Gentlemen:

On behalf of the Kauai Group of Hawaii's Sierra Club, our Executive Committee rejects the "Draft Environmental Impact Statement for the Strategic Target System" dated February, 1992, as inadequate.

The reasons are many. We reject its entirety, and the program it supports, on the basis of these principles:

- l. The National Sierra Club opposes space-based weaponry of all forms, with specific mention given to 'Star Wars' programs.
- 2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.
- 3. Further, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STARS/EDX program itself is designed to protect us, some day, against an enemy who no longer exists. [And if the U.S.R. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICBM overtly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? (See Chaz Jetty's testimony, attached. I thought it was 'best of the show' for both nights.)]

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

WR231 (cont.)

Apr. 16 '92 10:52

0000 CHUAN HANALEI

TEL 828-826-1115

P. 3

April 13, 1992 Page two

#### ALTERNATIVES:

Page RS-2 of the draft RIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy military. As I have previously pointed out, if this country can spend \$561 billion on militarism for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleat won't help one bit.

#### AIR AND ATMOSPHERIC QUALITY:

Air: I recall in reading the Environmental Assessment that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were free of the air quality problems, because of our trade winds. I wish to point out that hazardous emissions don't vanish when they drift out to sea. Consider the wysterious eye tumours of the sea turtles: These creatures are starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put into the air and sea.

<u>Atmospheric Considerations</u>: This is as good a place as any to stand up on my soap-box for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from gready and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

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WR231 (cont.)

Apr. 16 '92 10:53

0000 CHUAN HANALEI

TEL 808-826-1115

P. 4

April 13, 1992 Page three

Will they go outside only in the morning or at night because the life rays of our sun have become cancerously fatal to them? Will they shelter their daughters and sons, our descendants, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

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#### BIOLOGICAL RESOURCES:

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#### CULTURAL RESOURCES:

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#### LAND USE:

You have failed to consider the concerns of <u>kanaka maoli</u> in making your plans. I refer you to the presentations of Rev. Patterson's guests at the second citizen reviewer meeting, and to Ms. Dayianna Magregor's verbal testimony at the recent

WR231 (cont.)

Apr. 16 '92 10:53 0000 CHUAN HANALEI

TEL 808-826-1115

P. 5

April 13, 1992 Page four

public hearing. The land surrounding PMRF [indeed, the land underlying PMRF] belongs to the Hawaiian nation; Kekaha Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

#### ADDITIONAL LAND USE ISSUES:

Please refer to the excellent material submitted to you by Dr. Raymond Chuan, attached. Dr. Chuan points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, year after year. This would continue until those boundaries have actually changed in peoples' minds (refer also to the verbal testimony of Mr. Micco Godinez from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

#### PUBLIC HEALTH AND SAFETY:

On page ES-4 you mention (under 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry projected that a spill like the Valdez' (yes, you've heard this one from me before. . .) would occur once in 241 years. It took only seventeen.

Errors are human; they compound one another. One man may not be getting along with his wife; the wind is gusty; the wrong computer program gets loaded; a boat line drags an underground cable and accidentally shorts out a monitor; rust gets another one. A message gets garbled on somebody's machine; an almost-right part gets sent instead of the correct one. The storage tank gets built by somebody with a hangover.

Your fuels might get transported down our little highway (two of your four scenarios allow this): How about the drunk driver, the blowout of a passing vehicles's tire?

These are the elements of disaster. They are never planned. Combine the infinite random variables with antique rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

2000 CHUAN HANALEI

TEL 809-R26-1115

P. 6

April 13, 1992 Page five

#### INFRASTRUCTURE:

Your 'fire suppression system' is 1" PVC water pipe. That's sure to put out an explosive fire.

#### SOCIOECONOMICS:

We reject utterly your notion that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90% dependent upon tourism for our lifelihood. It's too high a percentage, but it's very real. I would like to point out to you that the Kauai Economic Development Board has just applied for more than \$1,000,000 in grants to counter the detrimental economic effects of national news coverage from our one-day flood in December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of sporadio access to state campgrounds? One missile gone inland by accident? Reduced tourism because of increased ozone depletion and skin cancer rates?

#### FINALLY:

There are two spacific charts that concern me particularly in your draft BIS:

- 1. On page 2-5, your strategic target system launch vehicle comparison chart is invalid. It tells the truth as far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?
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Time moves along, on small scales and grand ones. Since your postmark deadline is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth. For the life of the land, we thank you.

James Marinelli Wzgana Narinelli

Enclosures (2)

WR231 (cont.) Apr. 16 '92 10:55

**0000** CHUAN HANALE1

TEL 808-826-1115

P. 7

Ray Chuan

April 11, 1992

#### COMMENTS ON PROPOSED GRANT OF EASEMENT

- Easement not related specifically to STARS program, or any program, for that matter. In the preamble, p. C-1, Appendix C of DEIS, the only reference to programs is contained in paragraphs 2 and 3 on that page; and refers only to "Department of Defense and other federal projects involved with the launching, tracking and collection of data associated with guided missiles, satellite and space vehicle research, development and evaluation and military training programs; ..." One has to conclude from this that the United States government intends to use the "easement" for any and all present and future programs, for an indefinite period, since the duration of the proposed "easement" is not yet specified by the United States.
- Easement conveys to the United States control of State land use for the duration of the easement, an indefinite period. Paragraph 1. on p. C-2 of Appendix C, prohibits the State from exercising any control of land use in the defined areas of state land, not just during periods of launch activities (as called for in the Memorandum of Agreement, Appendix B of DEIS), but for the entire duration of the easement grant, which is yet unspecified. This is a serious intrusion into the rights of the people of the State of Hawail, through their state government and, specifically, the Department of Land and Natural Resources, to determine land use issues by established statues and rules. While the closing of the subject areas during launch periods is covered by paragraph 2 of the proposed Grant of Easement, and is thereby limited in duration, paragraph 1 nevertheless takes away from the State the right to control the use of its land beyond just the few hours during a launch operation. The inclusion of paragraph 1 in the easement clearly shows that the United States government intends to expand its activities at PMRF, beyond those concerning which the DEIS has been prepared. The entire DEIS is therefore defective by virtue of the provisions of the proposed grant of easement.
- No responsibility to notify the public of launches. Paragraph 7 of the proposed Grant of Easement states, "The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights." There is no commitment on the part of the U.S. to notify the public of the State of Hawaii.

#### **OUESTIONS**

One has to question the whole purpose behind this proposed Grant of Essement. This document was not introduced in the earlier Environmental Assessment nor the subsequent Supplemental EA; but only appears in the current draft EIS. It should be noted that the date on the draft Grant of Easement is 1/29/92. So presumably the military had second thoughts about how much control it needed over the state land adjacent to the present boundaries of PMRF. Is the Memorandum of Agreement even necessary if the Grant of Easement is signed by the State? How much money is involved in the Grant? What is the duration of the Grant? Without specific answers to these and

WR231 (cont.)
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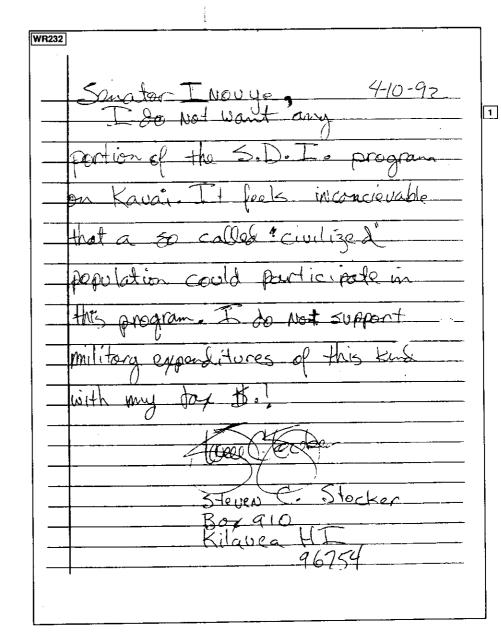
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TEL 808-826-1115

P. 8

probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the Unites States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?



4/7/92

Dear Senator Inouye,

We do not want to have the Star Wars Program on Kanai. We are concerned not only about the unforseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo, Ann Matthews P.O. Box 869 Kilauea, HI 96754 Senator Daniel Inoye

I would like to express my appreciation at your efforts at getting the encuronmental impact statement done. I didn't feel the EIS was done as thouroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the fuels travel on the road, water or by air. To have us believe STARS would only damage some ferns and culture is abound. I remember not too long ago the damage Hurricane Diva did to our island and to our tourist economy. This was a natural disaster that took us many years to recover from. I doubt we could ever recover from a man made disaster like the one STARS could proude. The damage seems endless. Endangering our plant and animal life, enfringing on a Hamanan sacred site, jeopordizing dur air, water and fishing, and more damage to our oyone layer. All these demo are critical to our

we'll being and to the tourist industry. I

STARS program. Thank you

ask that you do not endanger my life or my families life and put an end to the

Sienna Makarennery

Haril 9,1992

the Honorable Jamiel K. Lvouge Senate Office Building in asturation, i), c Hear Sender Longe: " Itan " ans" should be scrapped, not only on Kanai, but everywhere. It is means would not to mention a travesty on just ce, to pour bellione of dollars into a page drawn while our entire country is in the threes of a deep recession, and much of the citizen is in want and need.
Respectfully Trans " Tatzanenici

WR236

APRIL 8, 1992

THE HONORABLE

JANIEL INOUYE

WASHINGTON, D.C.

DEAR SIR:

THE OVERWHELMING MAJORITY OF KAUAIANS HAS SPOKEN, IN NO UNCERTAIN TERMS:

No STAR WARS ON OUR FRAGILIE IS LAND!

RESPECTFULLY,

Roma Cualary



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#### MOSS LANDING MARINE LABORATORIES

CALJORNIA SIATE CANTROLL. TRESNO, HADRARD, NACEOUNTO, NACESCANDO SAN ROSE STANISTAGE

To: Deputy Commander

U.S. Army Strategic Defence Command

From: Salvatore Cerchio

Moss Landing Marine Laboratories

Re: Draft E.I.S. for the Strategic Target System

Date: April 13, 1992

I am writing this statement in response to the Draft E.I.S. for the Strategic Target System and will specifically address the potential impact on the endangered cetacean species Megaptera novaeangliae, the humpback whale, in the offshore coastal region adjacent to the P.M.R.F. and the coastal waters of Kauai. In 1989 I initiated a long term research project on the distribution, abundance and behavior of humpback whales off Kauai, and have coordinated this project for the last four years through 1992. In 1991 and 1992 I was joined by an associate, Tom Norris, whose verbal and written statement is also of relevance to this topic. My effort has focused on collecting identification photographs of individual whales in order to quantitatively assess the size, distribution and migratory characteristics of the whales that winter each year off Kauai. I am further using this sample in conjunction with other researchers throughout the Hawaiian Islands to re-assess the status of the Hawaiian population of humpback whales and to investigate the distribution and movements of this population among the Hawaiian Islands. Concurrent with this research, I have been recording the vocalizations of breeding humpback whales, classically known as "songs", in an effort to examine temporal and geographic variation of this acoustic display across the Pacific Ocean Basin. Preliminary results from these studies has been presented and discused at recent meetings of professional scientific societies (Cerchio and Gabriele, 1990; Cerchio, Gabriele and Frankel, 1991) and a thorough analysis of these data is currently in progress.

Since the data presented on lumpback whales off Kauai and the P.M.R.F./K.T.F. in section 3.4.3.2 of the E.I.S. is largely outdated and misleading, and since I was not consulted during the drafting of the E.I.S., I find it of critical value to report to you my preliminary results and observations over the past four years. The range of coast covered during this project stretches from Makaha Point counter-clockwise around the island to Makahuena Point. Much

#### WR237 (cont.)

of the effort has been concentrated off the west side of the island between Nohili Point and Kekaha, since my observations have indicated that this area has consistently had the greatest concentration of whales within my range. During the years 1989, 1990 and 1991, we collected 430 observations (identification photographs) of 376 different individual whales (Cerchio et al., 1991). I suspect that this represents only a fraction of the whales that used these waters for two reasons: 1.) only a small percentage of individuals were sighted more than once each year (4% in 1989,4% in 1990, and 12% in 1991) indicating a large population, and 2.) we successfully identified approximately 60% of the whales we approached to photograph, we approached approximately 50% of all the whales we sighted, and we worked on only 30% to 60% of the days between mid-January and late-April depending on the season. This leads me to believe there were many more whales in the study area that were not identified than were identified throughout the seasons. I applied these data to mark-recapture models of population abundance estimation, using each year as a separate sample, in order to get an estimate of the number of whales that have used this breeding area over these three years. A Schnabel estimator of abundance model (Seber 1982), recommended for use with multiple years of mark-recapture data by Baker and Herman (1987), provided a population estimate of 3022 (95% C.I. +/- 1647) (Cerchio et al., 1991). Analysis of the 1992 photographic data is currently underway, and I suspect that this years sampling will add at least 200 more observations with similar resighting rates, and will serve to increase the precision of this estimate.

The sample of photographs from Kauai was also compared to the University of Hawaii catalogue of individual humpback whales from the Island of Hawaii in order to assess the movements of whales among the islands (Cerchio and Gabriele, 1990; Cerchio et al., 1991). From a total sample of 1089 different individuals photographed over 1989-91, only 40 individuals were sighted in both regions; furthermore, there was a statistically significant trend for individuals to be re-sighted off the same island which they were initially sighted (Cerchio et al., 1991). This indicates the possibility of partial segregation of the Hawaiian population among the islands, and stresses the importance of Kauai as a unique breeding habitat apart from the other islands. In 1991, an individual was sighted off Kauai (close to P.M.R.F.) that had been previously sighted in Japan in 1990 (Darling and Cerchio, in press). This represents the only observation of the movement of a humpback whale between Japan and Hawaii to date, and comes after an extensive comparison of photographs from Japan and the central and eastern North Pacific from 1975-1990, further indicating the uniqueness and importance of the Kauai breeding region.

#### WR237 (cont.)

Along with collecting identification photographs off Kauai, we also made visual observations of all sightings of humpback whales (both photographed and not photographed) throughout the seasons. All behavioral classes of whales that have been described in the literature have been observed off the P.M.R.F./K.T.F. These include mothers with calves, males engaged in acoustic courtship displays (song) and large competitive courtship groups, indicating that this region is an active breeding area. My personal observations over the four years indicate that the area cff P.M.R.F. between Nohili Point and Kokole Point contains the greatest concentrations of whales within my range. This is best illustrated by data from 1991 and 1992, reported also by my associate Tom Norris. In 1991, of a total of 368 sightings of whales, 198 were sighted off P.M.R.F., and in 1992 (prior to 23 March, mid-season) 190 sightings were made off P.M.R.F. of a total of 276 sightings. In both these cases over 50% of the sightings were made in a region where less than 50% of the effort was concentrated. Sightings of mothers with calves seem to follow this same trend; of 22 sightings of mother-calf pairs in 1991 and 1992, 12 were sighted off P.M.R.F. It is also important to note that the population off Kauai is fluid and individuals are constantly moving around the island; I have on several occasions followed groups of whales into the P.M.R.F. region from as far as Poipu. These observations are supported by an aerial survey study conducted by Mobley and Bauer (1991), which indicated that the regions around Niihau, the west side of Kauai and the intervening channel showed some of the greatest concentrations of whales among the Hawaiian Islands.

I have also recorded the breeding songs of 141 humpback whales between 1989-91. I suspect that the efforts of Tom Norris and myself will add recordings from at least 50 more whales by the end of the 1992 season. Although I do not have the exact numbers available, many of these recordings were made off the P.M.R.F. area. From my observations, I believe that the region off the P.M.R.F. may represent a prefered zone for singing whales, which would be expected from the observations of high concentrations of reproductively active whales. I have heard on many occasions what has been termed "chorusing", in which several singing whales spaced relatively closely can be heard at once. This behavior seems to be more prevalent off the west side of Kauai then in other parts of my range.

I believe that I have demonstrated that the coastal waters of Kauai and particularly the region off the P.M.R.F. on the west side of the island is critical and sensitive breeding habitst for humpback whales. I feel that the E.I.S. has both underestimated the abundance of whales in this region and the importance of this habitat. If the statement in section 4.4.4.3 of the E.I.S. concerning

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WR237 (cont.)

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Environmental Consequences and Mitigations, which claims that the presence of a whale will delay a launch, is taken seriously and held to, then I fully expect that there will be no launches during the months of January through April. I furthermore think that this sliould be the case, from the perspective of the population of endangered humpback whales. Consideration should also be given to other sensitive species that reside in the area year round and that are protected by the Marine Mammal Protection Act and/or the Endangered Species Act.

2

Finally, I support all statements and recommendations made by my research associate, Tom Norris, and I ask that you refer to his statement in conjunction with my own.

#### Literature Sighted

- Baker, C.S. and Herman, L.M. 1987. Alternative population estimates of humpback whales (*Megaptera novaeangliae*) in Hawaiian waters. Can. J. Zool. 65:2818-2821.
- Cerchio, S. and Gabriele, C. 1990. Inter-island movements of humpback whales in the Hawaiiin Islands: a study of two seasons on the Island of Hawaii and Kauai. Poster presented at the American Cetacean Society Fourth Biennial Conference. Monterey, California.
- Cerchio, S., Gabriele, C., and Frankel, A. 1991. Inter-island movements of humpback whales in the Hawaiian Islands: three seasons off Hawaii and Kauai. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals. Chicago, Illinois.
- Darling, J.D. and Cerchio, S. In press. Movement of a humpback whale (Megaptera novaeangliae) between Japan and Hawaii. Mar. Mam. Sci.
- Mobley, Jr., J.R. and Bauer, G.B. 1991. Changes in distribution of humpback whales on the Hawaiian wintering grounds: 1990 aerial survey results. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals. Chicago, Illinois.
- Seber, G.A.F. 1982. The estimation of animal abundance and related parameters. Macmillan Publishing Co., New York.

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Dear Mr. Gallien,

I am writing in regularly to the STARWARS meeting held in kawai, Hawaii two last March 92. I was informed that writing a letter by April 13192 (postmarked, would count as a voke as if at the meeting. If Your vote is the only vote that counts in the end, please consider this in your representive decision making:

As a Concerned citizen living in Hawaii I should firstly state that I am against what I feel is a Sacralizeth the Hawaiian people, as we as the Sacred lifestyles of the Indiginous prope of the Indiginous prope of the Indiginous

Besides the Obvious dangers of bombing near the innocent people of the Marshall Islands that their Energy thomstand, the dangers this operation promous to Hawalian citizens is contistrophic.

Althousi SDI (Special Bosed Nuclear Defense Licapon System), presented a flautous report to Congress to get more money funded on March 13,1992, when SDI experimentally Shot a missle to be intercepted by another missle coming from a different area-It missle Coming from a different area-It misser. If fear to thing DDI tries to assure this safe" image to the public,

WR238 (cont.)

although this image and the Safety it insures are obviously false to fact.

And are you aware that Polaris, Ares, and Zest Missles have all proven high Pailbre rates with great danger to both the environment and humans. It Perhaps most importantly, it is with these missles that SDI proposes to shoot on an island only S50 square miles round, saturated with thousands of Harraiian people and tourists?! Even when it has been advised that the Aries missle needs 600 square miles surrounding it to be "safe".

Flease clont vok to allow a faulty missle blow that would make Havaii the other experimental "Slum of the Pacific" the Marshall Islands
This is what SDI thinks is ok. to do to people; like the Marshall Islands, now one of the most depressed, densely populated parts of the earth.

thankyou for your time you may be our only rope if we are to believe in this system any longer

2-20

WR239 Ster Wars or Sters"

Drutings, Mr. Ballier ife majazine has aux planet on its cause This planet is our home Kausi is our some Daying whales & Monk Seals live in our waters They are & reatection so we can all keep & to why after all the feedings of our dance this is still even a concept or consideration a few words about the public hearing at the war memoired. I was shaken & ill at the discessed of human right displayed by too many the or wave of hastility, arger, fear by & directed toward Gesterner I implie you, you already know all there is to know of the nos, coro, so are please act upon this "knowledge " windom Stop the rightness. No action deseast male sense, The risks are tas deadly,

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Written Comment Sheet

## Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Street Address

Huntsville, Alabama 35807-3801

#### WR241

F

2120 Kakela Pl Honolulu, HI 96822 (permanent: Box 404 Kilauea, Hi 96754) April 13, 1992

Deputy Commander US Army Strategic Defense Command Attn. CASSD-EN-V (D.R. Gallien) Po Box 1500 Huntsville, Alabama 35807-3801

Dear Sir:

I appreciate being able to read the Army's ElS for the Star project at Barking Sands on Kauai. I remain opposed to the Stars project for the following

- 1. Scientists who have worked for years on the program have publically asserted (Common Cause, Newseek, Honolulu Advertiser) that Stars is a "boondoggie", a fraud; that, after billions of dollars of research, the project is only a computer simulation; that the project would - even if it twere technically feasible and affordable, only produce spotty protection. On top of this, the Patriot missile has been cited as a success story that justifies continuing STARS testing and research. However, last week, national news stories revealed that the reliability and effectiveness of the Patriot was far, far less than originally assumed. The successes of the Stealth airplane were similarly discredited. there is no point in expand the PMRF facilities to test a patent defense dream.
- 2. The nation does have the money to waste. The cost of military spending in proportion to other national needs and the actual small security benefits derived from those expenses is an underlying cause of the disintegration of the Soviet Union. Our military dollars should be spend paying for well trained, well equipped, well paid combat and support troups.
- 3. Peace is costly. The dividend of peace is peace and, hopefully, new prosperity based on reallocation of defense dollars to education, health, housing environment and infrastructure needs in the USA and worldwide. The cost of peace is jobs in the defense industry and that is a real and painful price. On Kauai, over 2000 people feel jeopardized by the possibility of the no STARS, though, apparently it is not their jobs which are jeopardized

## WR241 (cont.)

but the expansion of the base with additional jobs. However, in Los Angeles alone over the next 5 years, it is estimated that over 480,000 jobs will be lost because of peace. This is a dreadful high cost, but it is still a a sound price to pay in the long term interest of the survival of our species and for the turn around of our economy.

Please, my opposition to the STARs program has deepened over the past year because of the opinions of the scientists who have worked in the program and because of world events. I also have greater respect for the ARMY for the fair way you have conducted hearings on this issues and for your response to the public and Hawaii's leader's concerns. The ARMY has better things to do than to push ahead with STARS.

Berl Blad
Berry Black

4/12/92 Dear Deputy Commander, I am writing to you regarding the Strategic Tonget System program on Kawai. After attending the public hearing and reviewing the EIS, it is clear to me that the EIS does not sufficiently address the impact of the STARS program.

If is the opinion of my family, friends and I that
this program should not be allowed here. The
culture, economy and suveronment connot sustain
such an impact. Present, please - no impact! Phenhyor for your consideration.

WR242

POBOX 1052 LAWAI KAUAI HI

9 april 1992 Dear Senatur 2 nouge -I am the mother of 3 young children My husband and I moved here 10 years ago to raise our family in the best environment possible. Naturally we are concerned about the future of our lovely sland. We do not support the Sta, Wass Program on Kanai ~ there are too many regative, perhaps disasterous, consequences which could arise from such a program. We support the people at PMRF but NOT STAR WARS Please do what you can to prevent it! Sincerely with Aloha RICHELE FRAILEY BOX 267, HAWAII 96:

WR244

4-9-92

Do D. R. Gallier.

Quan opproach to any laurclea

plannel for the island of Kawai.

Any accident could mean death

sectivation for all of us on this

beautiful island.

Dratial, plan something for peace.

We really do need peace — no more

missiles.

Thank you.

Socarely, Doan Hudson

JOAN HUDSONI PO BOX 161 KEALIA, HI. 96751

486A Mauna Iho Place Hilo, Hawaii 96720 USA April 11, 1992

Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.D. Box 1500 Huntsville, AL 35807-3801

Dear Deputy Commander:

I wish to submit public comment on the Draft Environmental Impact Statement (EIS) for the Strategic Target System dated February 1992.

I decided to address this comment to you after reading in the April 8, 1992 issue of the <u>Honolulu Star-Bulletin</u> that France has announced it will suspend its nuclear testing program and is urging other nations to follow suit. This is wonderfulness:

The former Soviet Union, now the Commonwealth of Independent States, instituted a moratorium on testing last year. With the end of the Cold War, where is the danger of a missile attack coming from? Any danger is more apt to come from terrorists who would not resort to missiles to fire nuclear or other explosives.

I am a missionary of the United Church of Christ, a Protestant church of 1.6 million members, and am presently stationed in Hawaii assigned to work on Pacific and Asian concerns. From 1970 to 1988 I served as a missionary in Asia. At the end of 1991 I completed a three-year term as the interim coordinator of the Pacific Ecumenical Forum, an ecumenical network consisting of the Christian Conference of Asia, the Pacific Conference of Churches and the Ecumenical Councils on the West Coast and Hawaii. During my work with the Pacific Ecumenical Forum I was privileged to travel to various Pacific Island nations and to meet many of their church leaders. I was one of the resource persons for the 10th Youth For Christ conference held in Majuro, Marshall Islands in June, 1991 and attended by almost five thousand youth, including a large delegation from Ebeve.

My major concern in your draft EIS statement is the cultural destruction that will affect both the Native Hawaiian and the Marshallese people. The Pacific Missile Range Facility in Barking Sands on Kauai is located on "5(f) Ceded lands," and the nearby Hawaiian Homelands in Kekaha are bound to be affected by the slightest testing mistake. Past testing in the Marshall Islands has been the major cause resulting in the close to 10,000 people now living in overcrowded conditions on Ebeye, an island the size of the Ala Moana Shopping Center!

#### WR245 (cont.)

You must include in the final EIS report the possible cultural impact the missile testing program will have on both the cultures of the Native Hawaiian people and the Marshallese, especially those living in Ebeye island. I have been informed that the EIS statement that was made available in a hearing on Ebeye was <u>only in English</u> and not available in the Marshallese language. Is this true? If so, how can you expect to have adequate response to the EIS process?

I am concerned about the effects of hydrogen chloride emissions on the environment of Kauai and the effect of the release of freon on ozone depletion. Since the atolls of the Marshall Islands and Kribati are low-lying, even a one meter increase in height of the ocean will destroy a significant land area of these countries.

I urge you to follow "The No Action Alternative" of the program to launch the SDI or "Star Wars" vehicles from the Pacific Missile Range Facility on the island of Kauai, Mawaii to land in the vicinity of Kwajalein Atoll in the Marshall Islands. I am not in favor of closing down the Pacific Missile Range Facility on Kauai but urge you to consider a conversion of the facility to producing products of a peaceful nature.

Thank you!

1

Sincerely yours,

Ronald S. Fujly shi, Missionary

United Church Board for World Ministries

WR246 4/10/92 TO LOHOM IT NAU CONCERN: AS A RESIDENT OF KAUAI, AS A CITIZEN OF THE USA I WOULD LIKE TO VOICE MY POSITION WITH REGARD TO PMRF AND STAR WARS EXPERIMENTATION. FOR PMRF. ACAINST STAR WARS BALLISTIC MISSILE TESTING . Junea, Hawaii

	April. 6, 1992
Dear San Daniel Inouge and	Mr. Rendy Gallien,
I am an histo	ry instructor working at Kauai
	u up on Kausi PMRF was
	and I have never had cause
	projects_Until now. I cm
	ARS missle launch program I
	d for such a program, especially
	let this happen. H is clangerous.
	eful community. Kausi should not
_	destroy the earth or its people.
	in problem. STARS is.
Thank you for your time,	
	Sincerely,
	- lable after
	CALED M. OPPLEY
······································	4454 Haleino Po.

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
- 3. Nohiti Dunes is a culturally significant area, inappropriate for use-as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conclentious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerety

WR249

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### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

After reviewing the Draft F.I.S.

I warry and wonds what couldn't he considered to have NO Environmental impact. With the right words I sypt you could write you way out of a store ground Nuclear Test.

If one in ten cockets fail on the Dry side of Kanai who will put at fires in hainess canyon and points way to good your time. Restool to gove the ozone.

Name Thomas S. Rickett

Address Po. 80x 630 Kileness His. 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Deferse Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip Code

April 6, 1992

To: HONORABLE SENATOR DANIEL INOUYE MR. RANDY GALLIEN

As a concerned citizen of the island of Kaua'i, I would like to voice my opposition to the proposed use of Kaua'i as a missile launch site. Especially in view of the fact that the area in question has such cultural and spiritual importance to the native Hawaiian. Another item is the question of safety. If this is so safe and environmentally sound, then why is this system not tested on the mainland, which is a lot closer to the areas in which the materials would be manufactured and produced? Why are native peoples forced (through force) to be evicted from their ancestoral lands and lifestyle? This seems so similar to the plight of the people of Bikini atoll and the refusal of the United States follow through on their promises. In light of recent developments concerning the breakup of the Soviet Union, why is this system needed anyway? Hawai'i, and especially Kaua'i, does not want to be a dependent of the United States Military. The establishment of this program is a step toward military dependency. Not having the program doesn't mean jobs will not be available or people will be losing jobs. This is a fallacy that is being promoted by those who approve of experimenting with other peoples lives, culture, lifestyle, and land (as long as they themselves are not affected). Please help keep Kaua'i from becomming another Kaho'olawe.

MALAMA PONO,

DENNIS CHUN 2030-A Upena St. Lihu'e, Kans'i, (Li 96766 WR251

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4/3/92

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Dear Senator Inough and Mr. Gallien, The conflict over the STARS issue has been very painful for our loommunity. Until now, PMRF was enjoyed a friendly relationship with its neighbors. This situation has brought some ugly feelings to the surface - based on fear, motrust and anger which, & sollieve, has been purposely created and manipulated by those with economic interests as their hidden agenda. But this is not about money - it is about peace, sanity, our children, our environment and our spirits. Please find some other work for these follows to do which will contribute to the health + welfare of their community; and protect our tiny wland from Thank you, Hilary margell H. mayall, Box (212, Kilavea, HI 96754

9

52
Dear Senator Income 4/2/92
'a Mr. Gallien,
I an asking you to please stop
+1. Star Wises project - Voye:
the Star Wars project on Kavai. PMRF has done fine without it.
The missiles are dangerous
to our environment - immediate
* at mospheric.
Mal. I.
Maholo,
all to be
- yaun jiks
Jullita Jones
PO Bx 735
Kilauea, HI
96754
99737

1010 Puncpae Rd. Senator Duniel Incure and Kapra, HI 96746 Mr Randy Gallien I am a student at kee and am Concerned about the STAR missles being launch from Kauai at PMRF I do not agree that it should be lauched crom Kanai because or how small our Island is. The excect after the missles be have been lauch could Contaminate our is land and destroy every. thing at the same time leason and have appear the So please Stop the STAR Missles from ever being experimented on this 18 land Thank-you

Marciana Garma

To whom it may concern:

I have lived in Ha'ena, for nine and a half years, painting my experience of the majestic and mustical wonder that is the beauty of this Pacific island. On my side of Kauai is the north gateway to be the NaPan coast, and though by car, Barking Sands and Polihale seem on the other side of the earth, the missie base there is actually no further from me than Kilauea. That the army wants to test these ancient, outdated rockets, that they will be blasting them off from a sacred helau, that they will be shooting them off in mu neighborhood, from this premier coastline reveals the minds of madmen.

The EIS conducted by the military could hardly be an objective piece of research, and in fact is so broadly speaking and generalized in its terms that it cannot be seriously considered as a foundation document for such life and death decisions as the placement, distribution and firing of these antique weapons.

I am opposed to the star wars missite program at PMRF and feel the threat of loss of projects is objuscation. That these launches are being aimed at other islands whose people have been given no voice in the matter shames me for my country. It seems the military has no conscience, certainly not one I can trust.

Murphy's Law has a name for a reason; because things do go wrong. Remember the scene in "Body Heat" when the ex-con tells James Hurt that even if you think of all the things that could happen, there will be 50 more you didn't think of? The army thinks it has thought of all the eventualities. Kauai residents have thought of a few possibilities too, uet the unimaginable ones lunk as well.

Hold the nightmare. There must be NO ROCKETS IN PARADISE.

Evelyn de Buhr

WR255

1

Amy C. Nishihira Post Office Box 95 Kalaheo, Hawaii 96741

April 7,1992

Dear Senator Inouye and Mr. Gallien,

I am a long time resident of Kauai. It has come to mind that the STARS project, targeted to be tested on Kauai, is inappropriately placed. I object to the placement of STARS for a few reasons.

First, the ground safety area of 10,000 square feet is inadequate compared to the 18,000 square mile ground safety area at Canaveral. I am not sure if 18,000 sq. miles is needed for this project, but it does strike my attention that the aborted Aries missile did fling its burning debris three miles in different directions. Why then does this STARS missile which is a good five feet longer have the ground safety area of a small play ground?!

1

Second, should the missile need to be aborted along its path, and near in destination to Niihau island or Kwajalein Atoll, and its prevailing winds are North-Easterly, can you guarantee the safety of all lives near in proximity? I speak in reference to the hazardous emissions and chemicals hydrogen chloride and aluminum oxide.

Thirdly, I feel that the government is making a choice that involves risks with the lifestyle and health of Hawaii's people. I believe that this experimental tests encompasses not just the PMRF base on Kauai, but also the surrounding lands and residents. Morally, if you are willing to take risks and it affects only you, then it is permissible. However, should you involve other human beings against their will, you are taking away the fundamental rights of citizens of the United States of America. This is a protection that cannot be violated, not even for national defense.

I do not assume that Strategic Defense Command will consider the feelings of the residents over matters of national defense. But I do depend on our elected government officials to relay these concerns to them and do your utmost to address these concerns yourself. We are relying on you to make this STARS program strategically safe for those not wishing to take these risks.

Thank you for your consideration on these vital matters.

Respectfully submitted,

4-7-92

to: Seviator Daniel Insuye+ Mr. Randy Gallien.

I am strongly against the STARS project being done here on kauai. I've had to do a lot of research on STARS for an English paper, and with the evidence given I feel that STARS is a big risk and hazard to our island. Please don't put it here.

1691 KeleKa Road Koloa, HI 96756 WR257

April 7, 1972

To secondar Daniel Transc and McRandy Gallien:

I am strongly against the strategic Target system project on the island of Manni. The STARS program is not necessary here. Our people are very concerned about the environment.

Sincerely

Ferdinand Mariano

P.O. Box 932

KeKaha, HI 96752

Senator Daniel Inquye Washington, D.C.

ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to voice my support for The Pacific Missile Firing Range facility and the people who work there. However, at the same time I STRONGLY OFFOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.

James Hoffmann, PhD

∠ Box 321

Hanalei, Kauai Hawaii, 96714

Date: April 6, 1992

WR259

Apr. 17,1922

To Sevalor Daniel I rouge & Mr. Randy Gallien,

I am totally against the STARS.

Although thinkit is a good program, buther

vesults of failure rould be catastrophic for

our island. I think that our heritage

Should be processed tour errorany

protected by putting an end to

the STARS program.

Sincorely) Var a. L. 1 Jess Carborel

P.O.BOX 762 Koloa, HI 96756

## Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

ARROLLED AN EIS WHEN I SCENLED TIME to

APPEAR AT YOUR HEAPING AND didn't GET MY COUPY.

At that time; the Fact that the Propher of

THE MARCHAL ISLANDS WAS NOT ADDRESSED MAKES

YOUR EIS NOT WORTH THE PAPER IT WAS PRINTED ON

WE AS THE USA, ARE GOING TO HOUR TO ANSWER

TO THIS ATROCITY, AND I AS A TAX PAXING SITIZEN

DEMAND THAT WE ADSURE TO THIS WOW! CIUE

BACK THE NARSHOL ISLAND & THEIR LIFE STALE!

KAUA! IS A SPRARICUL ISLAND APLACE TO HEAL

I LOVE & LIVE LIFE WITH OUT A THERM OF

A DRISATOR I LOVE NO ROCKESSE

THAN & YOU!

Name ROBERT W MCHERRY

Address PO DOX 586 KIAUER, HI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

<del>WR261)</del> 4-6-92
To Senetor Inchue & Mr. Gallien  I goose the Stev Wers  Defense program here on tama for environmental Reasons.
the Pacific Missle Dende Facility on Ketters
Mehelo
Con zerrile  PO Box 515  Kilauta Kawai  96757

Senator Daniel Incuye Washington, D.C.

ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to state that I STRONGLY OPPOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.

Shuon Smickhoffmann, PhD 4.6.92 Sharon Smockhoffmann, PhD

Box 321

Hanalei, Kauai Hawaii, 96714

Date: April 6, 1992

WR263

1

April 2, 1992

It: Deputy Commander U.S. Army Strategic Defense Command

U.R. Gallien

ana

sen. lnouye

Having spoken at the "STARS" hearing in Linue on March 25th. 1992, I also wanted to express my feelings in writing.

1

As a farmer on the North Shore of Kauai, 1 do not feel that launching of rockets from this island would be anything but harmful to the environment. While I support FMRF, I cannot support the proposed program.

I am already beginning to question just how much damage to my crops is due to the irresponsible destruction of our precious eco-system. Will the farmers of the future be growing our food underground if we continue to destroy our environment?

Respectfully,

Chad J Beal North Country Farms F.C. Box 723

Kilauea, Hi. 96754

I am against the Star was project on Kareai for Or anyither else for the following reasons:

- 1) from the point of view of local politics: this small and blantiful is land should be a place of alpha and place was preparations and their implications do not attract visitors, our main source of income
- 2) from the point of view of environment: you get heavy fives for littering highways or tampering with security installations. how can the wilitary tourse with the ozone layer, our life - protecting shield, and tamper with this fragile 'eco-system of Kauai and rish unknown consequences. In Vietnam they also told Agent orange had no damaging effects on human beings, today we know that was not true.
- 3) from the point of view of democratic rules. How objective can a study be if done by the interested party itself? wasn't the out come of the EIS clear from the beginning!
- 4) from the point of view of economy and jobs: the manipulation with the fear of looing one's livelihood is an old-one. coulde it so think of many more meaningful jobs created from all those lilliows to tax money. Couldn't it be chancelled into life - preserving

WR264 (cont.)

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instead of life - threatury activities?

5) lad not least from the wilitary strakgic point of liew: there is no such thiny as a perfect defouse system. is have rached a point in time, where not the wilitary defend us against an enemy - who after the fall of the non airtain is referented by the export of billion-dolla-with of arnament, Do, we have to defend surselves against the unlitary machine that robs the Country of reserves in thous of maximal, environment and human in tilligence, directly needed elsewhere. I don't feel my life is saved by their but the reakued

We askthis vicious circle to be broken. It I are minute before und light on the entiroumentee world class loe can to sperd any more waste and ignorance Our Hother last weed to be healed by da joined efforts

Inguid INGRID TILLMAN PO BOX 818 KILAWEA HI 96754

### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Name	Jani Rike,	/	·	
Address	0 Pox 14	58, HANALE	i	
	Street Acidrese	Clty/	State/Zip Code	

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801 WR266

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#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

april 7,1992
To whom it may loncern:
I do not ful that the Draft E15
adequately addresses some of the potential
damage that could affect our townist-dependant
island & economy.
This island is supposed to be a place
for people to get away from the very this
very type of activity.
I also feel this particular program is
a waste of taxpayer's money. We could be
doing more valuable work at PMRF.
0
Name Kathleen K. Pickett
Address P.O. Box 630 Kilanea Hi 96754
Street Address City/State/Zip Code
1

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR267 U.S. Army, Strategic Defense Command April 7, 1992 Dear Sirs/Madam: I am opposed to the Stars Program here on Kauai. I have included a verse of poetry to express my feelings on this matter. "Oop Baby, while we suck on those lies Your blood soaked costume 'gonna light up the sky." Solulle La Fete P.O. Box 1607 Hanalei, Hi 96714

WR268

#### Written Comment Sheet

## Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Address P.O. BOX PIP

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR269 Written Comment Sheet Strategic Target System **Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. City/State/Zip Code Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

April 8, 1992

Dear Mr. Gallien,
I support the "No Action" alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kaual for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated

3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious threats.

fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our

Sincerely,

atmosphere.

Michele Walani David Registerel Voter Po Box 138 Icilanes, H. 96754

WR271	
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April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.LS. I am strongly opposed to Star Wars testing on Kaual for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our
- 3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Beth Prancisco PO. Nox 930 Hanales 7tz 96714

WR272

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### Written Comment Sheet

## Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Capo R	all those	MINTER	mos	elco-
stale weeks.	10 STA	2 WARS	(	
<del></del>		· ·		

Address \_\_ 9 9 9

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gailien) P.O. Box 1500

Huntsville, Alabama 35807-3801

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

L since ve Ly implore you,

That you folks reconsider the least like

Ly accident and it's effects and evently "fol

Caranteed" promise of no traumatic effect by some

Least expected mistake"; well-actually just what

will be the effect upon the state of Hawaii

environmentally and socially-3? Please

write me in reply-so that the anxieties and fear

and confusion many people feel they might soon be con
tending with, if this S.T.S. program is actually to be

inisiated-might Logically and Truthfully" be laid

to rest afted those fears at least after two mostring nights

of discussion debute-are still at large within myself also.

Name James Friend fames I There

Address P.O. Box#952 Handlei His #6714

ORGENT:

FURGENT:
Please Answer.
Mobile Nii Loo!

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801 We shall continue that which the Rose there by continue my form

WR274

4/7/92

Jowhom it may concern:

Jam a resident of Kausi Since 1982 and am adamates opposed to having Polaris rockets/missles tested on our precious ibland. There are far too many negative aspects and possibilities that could have devastating results.

NO ROCKETS!!

Alboral J. Frank P.O. Boy 1601 Hanalei, Hi 96714 1

	Opril 9/92
_	Tion M. C
	To Whom This May Concern,
	I am writing this letter to let
_	
1	ou know some of my feelings with
نک انہ	egard to the Strange programs to several
<u>a</u>	legard to the STARS program. I to not support this program, however I do support PMRF. I feel this is
-	1 do support thinks I tee this is
<u>م</u>	e rery dangerous program + should not be happening on Kavai. I do not feel
1	te happening on hauar. I do not tee
	that the people who work for PMRF
7	should lose there jobs. I am sure
	there are other positive programs to
u	shich these people could be re-directed
	Mirarak Jacoble
	Floring Darrell
	7x 1136
_	Hanalei, Hawaw
	96714

WR277 Written Comment Sheet Strategic Target System Draft Environmental Impact Statement Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. ı Address Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

WR279

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1

What a disappointment! I feel that the Draft fell so short.

of addressing the numerous discusers that the STARS

project can bring. Please look closely at these supportive.

letters of the supporters of this Draft: they are all employees of the base! We need you to understand that this little island was not and is not made for Missiles. Our island is financially supported by the tourist industry - Having missiles launched here do you really think that people will still want to come here to spend their vacation? There is so many other places where they could go!!

I urge you please to consider all our comments before making any further decision. I ami. Salament.

Name Leonie Dabancourt

Address 6383 Makana Rd. Kapaa - Ht 96786

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

## Written Comment Sheet

## **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

6383 Address\_

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR281

## Written Comment Sheet

## **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

ClibPDF - www.fastio.com

Dear Sen. Invage o Mr. hellin,

My hisband, daughter and my self hue on the island of Kanain. I have been to the heavy on star wars and wish to speak my truth us well. I strongly approx the Star was program on this island. I feel that we the People who lue on this remote island have the right to Unouse, as a demolary whither we want Sucha program to exist in not. I support PURF and am sul their this issue

WR282 (cont.)

has tan un communty apart of that the uniters of PMRF must be featful to the Stars program. I am grateful interaction the public interaction with the government that was a created in response to this vigent situation.

Milulle Mean

Michelle O Hearn 1384 Kuhio Huy Kapaa HI 967Kb

April 8 1992 SENATOR INDUYE & Mr. GAILEN, I Brandon WKepwer Iom Not For stare wars prosent this Island, but For PMRF Becouse of possible Accedent why can't fou test on ship At sea or on Small Deserted Island . This is A SACreO Island Please test your missle At SEA AWAY FROM OUR citezens Danger, on A BARGE maybe. Ive seen foormissles exploret shower Down over the sea Iwouldn't want thaton my house CARCO MORE About Fellow HomAND SAFfy 40 Royal OR KAPAA HAWI KUANT Brandon Wagner

To Senator Inouge and Mr. Gailen: To Whom it Will Concom. 4-8-92 1 Stronly oppose the idea of the STAR WARS program on Kauai 11 It is completely inappropriate for this island for many reasons. Os a member of this community, a supporter of PMRF, and a Cruted States citizen I verge your, to put a stop to the laceor STARWARS program. here Trank You Heidi Rhodes 133! Kiowai Ol Kapaa, = 96746, neix inou.

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Mr. Henry Cooper Strategic Defense Initiative

4.2.92

Dear Mr. Cooper, it is a pity that you were not present at the hearings on the Draft EIS, not only to answer our questions but also to feel what was really happening - a vital experience that you won't be able to have just by reading our words from your desk. Seeing all these hundreds of comments, you are probably making lists of FOR and AGAINST. But it is not as simple as that. I was there both evenings, and I saw something very frightening: if you could look closer at the letters supporting STARS, you would find something in common - they were all written by people who have direct or indirect ties to the PMRF. They were all written out of fear : it was not necessarily approval of the STARS program but fear of losing their jobs or losing some lucrative business related to this project. On the other side - the whole rest of the island. Not only all the residents who love Kauai for what it is, and want to protect their precious Garden Island, but also all the visitors who keep dreaming of returning here to enjoy the peace and the magnificent manifestation of Nature that Kauai offers them. Each opponent to the project had his/her special reason for their disapproval, but we all have one special point in common, and that is the willingness to save the spirit and the essence of Kauai, too precious to be threatened by this project.

Mr. Cooper, you must be looking at Kauai as a good located site

keep it so , without your Strategic Target System. Mahalo.

for launching missiles. Please think that it is our beautiful GARDEN ISLAND, a place of peace and magic, of nature expressing itself in all its magnificence, and we, the absolute majority, want to

> Lilian de Mello 6383 Makana Road Kapaa - Hi 96746

16 andilu

WR286

North Country Farms F.C. Eox 723 Kilauea, kauai, Hi. 96754

 $\Box$ 

April 2, 1992

TC: Senator Inouve Deputy Commander U.S. Army Strategic Defense D.R. Gallien

Dear Sirs:

As a Mother and Businesswoman on Lauai's North Shore, I must express my strong feelings on the current "olako" issue.

I surely support my fellow islanders working so hard at HMRF, but l am unable to do the same for the proposed rocket launches from that site.

I am not convinced, even after reading the EIS, that these launches would have no effect on our environment.

1 am not convinced that this "defense" system is needed at all.

1 am not convinced that the Hawaiian lands aren't in danger of being further infringed upon.

l am convinced that kausi is one of the most beautiful and unpolluted places on this planet, and for this reason we have chosen to move here and raise our precious family. We do not want or need your program on Kauai.

Mahalo for hearing us-

Sincerely,

Lee Roversi

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Yes, we are under attack and need to defend ourselves. But the enemy is not the Russians, not the Middle East, not South Africa, etc.,etc.

The enemy is within. Our quality of life here in Hawaii is under attack. The cause—the STARS system. We have heard how the propellant further depletes the already existing hole in the ozone. How it is life threatening

to wildlife within the lift off and landing areas. How it is trespassing compromising sacred Hawaiian lands. How it involves transporting volatle liquid fuels, dumping of toxic chemicals into the atmosphere, including known carcinogens and toxics associated with Alzheimers disease

And then we are told that these are small prices to pay in order to keep

our missile range alive and well. It seems appropriate and necessary

to look at this decision as one of National Security: which means protecting this country and its' people from anything threatening our economic well-being, our environment, natural resources, and the quality of life. The STARS program is threatening to us on many levels.

It is imperative that it does not proceed. And as part of this decision it becomes necessary to ally the fears of the people employed at the misslie range. Diverting funds from this program into healthy programs supportive to the people whose jobs are threatened. Let us bring back peace and aloha to the hearts of this Island and remove the cause of

peace and aloha to the hearts of this Island and remove the cause of separation. Remove STARS so that we may begin healing the rift it has created.

T Schield

P.O. Box 674

Address\_

Street Address

Kilauea, HI. 96754

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gaillien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR288

April 4, 1992 Kapaa, Hawaii

Dear Honorable Senator Incure and Mr. Randy Gallion,

Please include me as one of many concerned citizens who objects to the proposed STARS project. I believe that the purposes of the project, including the economic argument in terms of jobs for PMR employees, can never justify the detrimental effects that the project may have on our environment.

I humbly urge you to voice our objections and concerns.

Sincerely Yours,
Bernice Hiraoka
Bernice Hiraoka
Coher y. Sunsha
1761 Mauna Ikana St
Kapaa H1 96746

P.O. Box 887 Koloa, HI 96756

#### MEMORANDUM

Senator Daniel K. Inouye Commander D. Randy Gallien

SUBJECT: Strategic Target System (STARS) on Kauai

The STARS project at Pacific Missile Range Facility (PMRF) at Mana must be stopped! Please do everything you can to stop the project.

This is a personal statement, but I know that hundreds -- in fact, thousands -- of residents on Kauai oppose the project, but they are not taking the opportunity to express their opposition because they believe that the issue has been decided, and that the hearings, public pronouncements, letter writings, telephonings, etc. are all exercises in futility.

I hope that they are wrong because at issue here is the future of Kauai. The STARS launches will affect the land and the people, Kauai s best resources -- the resources on which the economy of the island depends.

First, the amount of freon that the STARS launches will generate into the atmosphere will deplete the ozone layer, thus endangering plant and animal life, particularly human life. Second, Hawaiian Home Lands, including archaeological sites, will be affected to the point of desecration. Third, the STARS project will have an emotional and a psychological impact on the people of Kauai.

Opposition to the STARS launches and fear of potential hazards and potential mishaps will not go away, and Kauai will have a resentful population, not a people with aloha.

Please do the right thing: Stop the STARS project at PMRF to ensure the preservation of the Garden Island, which 51,600+ people call "home."

1

Felicia Counders WR290 PO BCX 493 Written Comment Sheet Hanalei, HI Strategic Target System Draft Environmental Impact Statement 4-7-92 Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. Dear Rantu Gallien and Senat 967 Address City/State/Zip Code

4

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

ClibPDF - www.fastio.com

April 8, 1992

Dear Senator Daniel Incuye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our
- 3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebsye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious

Panel John P.O. Box 238 Hanales HE 96714

WR292

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2

To Senator Inouge and Mr. Gallien, Please allow the

island of Kauai to decide its own fate ON the STARS issue.

No unelected official should be granted the power to decide such

a crucial point. Let the people of Kauai vote on this issue on referendum in November.

WR292 (cont.) I feel convinced that democracy will send a clear message. NO MISSLES ON KAUAI Thanks
Jun Spal
P.O.Bex 959
Kilauea, HI
96754

	Written Comment Sheet	
Strategic Target System  Draft Environmental Impact Statement		
nank you for atten mments on the Di	ding this public hearing. Please use this sheet to provide us your written raft Environmental Impact Statement for the Strategic Target System.	
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ddress 70	175/ F-(AWALA) H 967/4  Adress City/State/Zip Code  Please hand this form in or mail by April 13, 1992 to:	
	Please hand this form in or mail by April 13, 1992 for Deputy Commander  U.S. Army Strategic Defense Command  Attention: CSSD-EN-V (D.R. Gallien)  P.O. Box 1500  Huntsville, Alabama 35807-3801	



Sheraton Kauai Hotel

Dear Sen I norige and Mhot one can arrune through the USA's recent gloring Military history, That the USA has had all the practice it needs in the ort of war. Simple blowing Thorgania war games performed to anericas Musi everydey on CNN. It apparent that To its constituents to believe intreconomic our Island that think the futtere of there economical success is depended or the success of the program periorally I see an end in sight for all PMRF of operation unless they're taught to sinerely yours Dyngo Rogers

WR295

1

4332 Anonui St Lihue HI 96766

April 5, 1992

Dear Senator Inouye and Mr Gallien,

At a time in our mation's history when we are at peace and with an ailing economy, I would like to see as many anti-peace programs such as STARS cut from the budget as possible.

Instead, let's promote programs which heal instead of destroying our environment for future generations. The earth is a small place with fragile ecosystems.

Sincerely,

Glenn Katahara

ClibPDF - www.fastio.com

WR296 Goul 4. 1992 1992 Arti 20 AH S 59 Dear Sentor I monge, Although I have only lived on Kaun for two years, the STRR WARS issue is important to me 1 and I would like to include my opinion. I am against using this beautiful island for a launch site. I would like to see the military, resources, which as you know are not, channeled into areas where much is needed both in finances and manpowel. Some of these areas are education, and cleaning up the invisorment, globaly to improve our ways of ALFRED J. PETRICH P.O. BOX 79 ANA HOLA, HAWAII 96703

WR297

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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- Toleren Inca	
Name MEXICA L. Mich;	
Address (C. Box 606 Kelecons to laint	

Street Address

Please hand this form in or mail by April 13, 1992 to:

City/State/Zip Code

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I concur with U.S. Representative Patsy Mink's assessment and feel that many valid points were raised in her testimony. Among them the summing dismissial of many issues as "small risk", "unlikely", "all preconitions will be taken", insignificant." "no impacts anticipated", and, "very little hazard". Such comments here a quantitiable explanation and does not alternative my conserns. Little attention has been paid to alternative actions or alternative plans, implying that it is the U.S. Armys way or the "No action alternative". We are left with an all or nothing paperition. The lands upon which PMRF rests is not and that to be sculptured or defaced in the name of national security. Ner should not tamper with the delicate social and spiritual feature of the community, until we have weighted, very seriously, the pleatial cuteome.

Name Gerald M. Hirata

Address P.O. Dox 565 Honapope, HI 96716

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR301

#### Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Kayai since she is relatively unspecial components shown to Manie). STARS does not belong here

Name Marilya Axtell

Address 10 Box 38/6

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

## Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I attended the turbic merminum on Normal Distancing objectively to the

traceedints and the verbal testinony given there. I set up value to take who find the DEIS unappertable. Indeed, I find the entire SDI indired hit westions? e... where a red by the city proving seable solectists and another was a servere intinately requainted with the development of the program.

The DIS does not, indeed cannot, address the intempibles that constitute this island of Marki that so many of Marki tome and waite is a towner that agree for countless of ers. If you choose to forge ahead with tale highly dubious project, you destroy here than our land. A fart of the spirit of hat ties as well.

Have you personally ever experienced this particular piece of real state that is Enique in so many vers? Have you valued the beautiful beaches the UTANC project would ultimately containable in some way? Have you seen the lightly cortoise devorting in the indescribebly teautiful them. Freens, a torquoises waters that PINF fronts? Have you not any personal contact with the native Havelians whose shoesters lie brief in the sands lyin. In the missile transcription of the STANS project? Can you not relate to their dismay at this descaration? Dwight Eisenhower, a trastilitary man, was a wisingary fan peace when he said the following: "Every gun that is made, every warship leunoned, every rocket fired signifies... a their from those who hunger and see hot set, those who he called and are not contain. This world in arms is not spending money alone. It is spending the sweet of its laborers, the regime of its entertists, the hote of its children."

In very recent times, Isser Arise...winner of the 1957 Nobel Feace Frize said: "It is the that we redefine clobal security...security of lead as a contain that the formers of the that we redefine clobal security...security of lead as a contain the security for people

Name Hartha L. Doutt

Address

6422 Fulena St..

Rayas, HI 96746

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR302 (cont.)

that is even more vital...this means food, employment and ecological security. I call this concept lasting security.

I gray you are a man of vision...a vision that sees leads in the world pursued by constructive means rather than down a destructive path. Thank you.

Martha L. Doutt

4-10-92

TO D.R. GALLIEN:

I AM OPPOSED TO ANY NEW

LAUNCHES PLANNED FOR THE ISCAND

LAUNCHES PLANNED FOR THE ISCAND

OF KANAI.

ANY ACCIDENT COULD TURN INTO

ANY ACCIDENT COULD TURN INTO

A DISASTER. OUR ENVIRONMENT IS

AT STAKE.

WE DON'T NEED THIS HERE.

THATIK YOU.

SINCERELY,

FRANCISCO SADUMIANO

P.O. BOX 52 HANAMAULU, HI 96715



DURKIN & ASSOCIATES PO Box 3626 Lihue, Hawaii 96766

Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) PO Box 1500 Huntsville, AL 35807-3801

RE: SDI Launches on the Island of Kauai

Dear Sirs;

1

13 April 1992

This is to formally OPPOSE the launching of missiles, rockets, or other weapons that are related to the Strategic Defense Initiative (SDI) proposed for the island of Kanai

The DEIS filed by your organization is clearly lacking in its assessment(s), specifically those relating to safety. This includes safety of the island population, marine resources, and economic health.

We are in support of the Pacific Missile Range Facility, but not if will require involvement in the SDI program to survive.

As I prepare to send in my tax dollars, I find it difficult to feel good about where the money will be spent. We can spend billions on defense, much of it wasted, yet we cannot repair our environment or provide a roof over the head of all of our citizens. And if I were to conduct my business in the same manner as that of the Federal government, I would be bankrupt, disgraced before my peers, and quite possibly thrown in jail.

The SDI project does not make sense for our civilization and its deteriorating environment. The SDI project will only be fruitful for a few defense contractors, the Dept. of Defense budget, and some high ranking politicos.

Much like the French have finally given in to protests of its nuclear testing in the Pacific, the U.S. Army will eventually cave in to protests of SDI on Kauai. Our numbers are small, but we are an intelligent populace who will be persistent in its opposition to Star Wars.

Thank you for your consideration on this matter.

Respectfully Submitted,

Patrick L. Durkin Safety Educator & Consultant Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

This Property Most BE Stopped!

I am sending this note to prevent any
further apprepriation on development
for the Standard testing low she for
the island of Konai

Continuing these military efforts dewholeges the sulfural continuity, psychological (and physical) safety and contradicts the worker of the people of nel only
two incredible island but the yearle lother
proquest its stand Please Stop.

Name LAURER ANDRES

Address 2911 January (and Sanda Cour Ca. 95062

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR306

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## Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

with the chance of the user MAD limited derivation) is no longer model (if there was I as a part of our national letters.

An educate determ against a tear menter from an international madman can be uniqued to a huntred namer it satellites accordinated, ground based ABM; last reflecte medicil. We must impleaded extremely excessive determ impenditures. The money should replace be spent on an underver that will truly exist in increased iscurity for America and other developed courters of the world: a menous multinational affort to quickly excess through a ministry it approaches the world; burgeously population growth and to expand programs aimed at hopings understoped countries to feel thouse their people. Duty when the man out of me have more will be seen the world.

Name CAEM L Belle (4) America 44 seeds

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500

Huntsville, Alabama 35807-3801

2-239

WR307

Written Comment Sheet

4/12/92

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

We lique many gressing national needs to which

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Stop excessive their protons print assess that differences to emportant the procedul (and altimately rational society) uses and, along the arm

Name

allow us to preserve our very special trust for all to snight!

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

City/Suts/Zip Code

P.O. Box 1500 Huntsville, Alabama 35807-3801 Day & Chief.

WR308 Celebration of 150th Anniversary of Public Education in Hawaii Ka Ho'ike Ma 'lelana 1990-1991 april 5, 1992 To: Mr. Randy Gallien From: m m Jones 28/1 Rapena St. Lihus, Mi. 96766 Re: missele testing on Kause Star wave project in Kanai or anywhere else in Hamai because of the potential danger, the ecological damage, the table unleisnen of the project and she wanton waste of tax payers money. The whole meet is stepid!

n

Department of Education - Kauai District

	Written Comment Sheet
Ι	Strategic Target System  Oraft Environmental Impact Statement
	attending this public hearing. Please use this sheet to provide us your written the Draft Environmental Impact Statement for the Strategic Target System.
	Lawie or amplace else Let's an alternative's find alternative's
	Violence too.
	:'/
Name	
Address	Street Address City/State/Zip Code
	Please hand this form in or mail by April 13, 1992 to:  Deputy Commander  U.S. Army Strategic Defense Command  Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

WR310 

Written Comment Sheet

## Strategic Target System **Draft Environmental Impact Statement**

comments on the Draft Environmental Impact Statement for the Strategic Target System.
I am so upset by the
idea a missles on des beautiful
island of Kauai. My husband
and I have just glow up
all our attackments back
herrie in massachusetts
and are mount to Kause to
Deve, It is so disturbing to
me & my family to Lave
missles blat on this island
Thankyou for heaving my
plea.

Name	Bary		130
Address	north	Sore Properties	11
	C	// City/State/7in/Code	, , -

Please hand this form in or mail by April 13, 1992 to: Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

WR311

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Mease, dent come and snott Missles

On Eagure. Kanal and the Marshal Islands,

(Note the 1955les would be hitting) are

Very special places to many people.

Place think about what ince stying,

This land down't licenary

to my were becowing it

from our children.

I want to Kanal is unique,

grow up not sits keep it that way

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Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR31

Hyranic is A.Z. I work with Cellied Likele, an international certacion retaceun roavely group. I am precently on havan working - in affiliation with humpouch whale research group have. Some of the detation this project was prescuted evaluationique I'd like to take this opening to print out some inadequices of omissions of pertinent duta in the Els statement regarding endangered names meaning species. An important rare that his not been addressed to the link of any minima of potential effect on humpour while nether call pais. Recent research has deminstrated that nother half pairs are experiently simplified to human related distribunce. Since inje pais prefer very mean-share, shallows water, usually less than to fatherns, it would seem very likely that disturbance related to STARS could negatively expact this voluerable graps. Cur research Concers cis significans of AIR pairs well instruct -, our data success that over /2 of MC pais sighted have been in the PART crien. Examples of impact include offects from wat actuaty related to claiming the nearby soften ton port of firely a related whe nically via boot for landing capt Arrang from 1st hand appearers, I have concern result the lack of unerseass on the part of the military who regard to federal laws + require tions INVOLVING MOTINE MAINTHES.

Our study site extends from Makvena Pt to italiania kidy. In 1991+1792, and a gives 644 sightings of whales over this area 388. In youter than Yz have been in the PMET area, ever though we spect texture Yz of our time surveying in the PMET area. In other wide; there is a greater when the area of whether of wholes in the staked impact town Essentially, if the army martains its proposed writigation to clear, launches

when whele an sighted, and I quote from Section 49.4.3 of the EIS

"Prior to leave, the US Navy will survey the 1st stage impact areas
and the leave septry form. Any whale or sensitive species observed in this
area will can the lainch to be deleged."

- this runs that their world be no lainches possible in the runths
of Dec -April.

There concern to what marrier, the army whends to follow through on the promose to survey the area for wheles

There concern about the impacts to other marrie marriers cluck we

Low rely heavy in the area arend KTF/Prief. Botherose dolphins, spinner dophius + spotted delphins, all federally protected under the imm protection act, are frequently sighted in the area. We can supply data in these sightings. These species were not even authorized in the ETS statement

Considering the madequices + misrepresentations in the draft, the ancissions, and the preprintmence of insupported Scological conclusions stating "no significant impact or no adverse effects" on sensitive species in this area, I stand against stars + for the no action cellbenature.

(lin MZsales 207 288-3050 (phn 4) WFI313

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#### CRITIQUE

OF

DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM (February 1992)

Presented by The Nohili Coalition (April 1992)

Aboriginal Native Hawaiian Association
Hui Ho'omalu I Ka 'Aina
lli Noho Kai O Anahola
Ka Lahui Hawai'i - Kaua'i
E Maka'ala Kakou
Protect Kaho'olawe 'Ohana
Pele Defense Fund
Ka 'Ohana O KaLae
and
Independent Kaua'i and Ni'ihau Hawaiians

Nohili Coalition Critique of STARS draft EIS / 1

#### Summary

As drafted, the Environmental Impact Statement for the Strategic Target System (STARS) prepared by the U.S. Army Strategic Defense Command does not conform to the National Environmental Protection Act. There are numerous deficiencies, particularly with regard to the impact upon Native Hawaiian subsistence, cultural, and religious customs, beliefs, and practices and ancestral land base, as identified below. It is our contention that a new draft must be prepared for public review and comment as this statement is grossly inadequate. We also contend that the reports which form the basis for the conclusions reached in the document should be made available for public scrutiny. In particular, our group would like to receive copies of the cultural resources report written by Flores and Kaohi.

#### (1) Native Hawaiian Rights

A special briefing was provided to the drafters of the EIS on the potential impact of STARS upon Native Hawaiian cultural, subsistence, and religious customs, beliefs, and practices and upon sovereign Hawaiian claims to the ceded public lands and Hawaiian Home lands in Kekaha. None of the concerns identified and described in that briefing are addressed in the draft EIS, except to be listed in the summary of scoping issues. We remind you that NEPA policy states that is a responsibility of the Federal Government to "preserve important historic, cultural, and natural aspects of our national heritage, and maintain, wherever possible, an environment which supports diversity and variety of individual choice." (42:4331 (b) (4). The draft EIS is severely deficient in assessing the impact of the proposed project upon Native Hawaiian cultural customs, beliefs, and practices in the ahupua'a of Waimea, Kaua'i.

In order to protect the indigenous Hawaiian culture for future generations, the Hawai'i State Constitution and the Hawai'i Revised Statutes reaffirm the state's responsibility to protect Hawaiian rights. Infringements upon these rights are illegal. The following are applicable sections of the law.

Article XII of the Hawai'i State Constitution deals with Hawaiian Affairs. Section 7 states,

The State reaffirms and shall protect all rights, customarily and traditionally exercised for subsistence, cultural and religious purposes and possessed by ahupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778, subject to the right of the State to regulate such rights."

The Hawai'i Revised Statutes, Chapter 7-1 defines rights of the people which were established in 1850 when Kuleana Act granted private property parcels to the common people. It reads as follows:

Nohili Coalition Critique of STARS draft EIS / 2

#### WR313 (cont.)

1

Where the landlords have obtained, or may hereafter obtain, allodial titles to their lands, the people on each of their lands shall not be deprived of the right to take firewood, house-timber, aho cord, thatch, or ki leaf, from the land on which they live, for their own private use, but they shall not have a right to take such articles to sell for profit. The people shall also have a right to drinking water, and running water, and the right of way. The springs of water, running water, and roads shall be free to all, on all lands granted in fee simple; provided that this shall not be applicable to wells and watercourses, which individuals have made for their own use.

Chapter 174C - 101 of the Hawai'i Revised Statutes deals with conservation and resources. Part (c) reads as follows:

(c) Traditional and customary rights of ahupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778 shall not be abridged or denied by this chapter. Such traditional and customary rights shall include, but not be limited to, the cultivation or propagation of taro on one's own kuleana and the gathering of hihiwai, opae, o'opu, limu, thatch, ti leaf, aho cord, and medicinal plants for subsistence, cultural and religious purposes.

2

3 |

#### (2) Water Resources

The EIS, as drafted, fails to indicate how much water will be consumed for the operation of STARS; if larger water lines will be required; where the water will come from; who owns the rights to that water; and to assess the impact upon Hawaiian appurtenant rights. The source of the water would be the Koke'e, Kekaha and Waimea ditch systems which are located on Hawaiian Home Lands and ceded public lands. Increased use of the water would negatively impact on Native Hawaiian utilization of the water for settlement on Hawaiian Home Lands and upon utilization of the ceded public lands. The Hawai'i Water Plan states that the Kekaha aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress influenced on the aquifer by overpumping. Increased use of water by PMRF for STARS would exacerbate the overpumping of the aquifer.

The report is also deficient in assessing the impact of drainage of water utilized in the project on the dunes and upon the offshore ocean.

#### (3) Native Plant Species

A. The impact statement fails to note the presence of species of the following native plants: a'ali'i, alena, 'aki'aki, 'akoko, 'akulikuli, hi'aloa, hinahina kahakai, huna kai, 'ilima, kauna'oa, mau'u 'aki'aki, naupaka, pohinahina, pohuehue, and pa'u o hi'iaka. It only mentions the presence of puapua moa (adder's tongue) and 'ohai. While these plants are not on the

Nohili Coalition Critique of STARS draft EIS / 3

Hawai'i state endangered list because varieties of these plants occur elsewhere, the varieties on Kaua'i are unique and diminishing. In addition, most of the plants that are not mentioned in the impact statement have medicinal qualities which have not been identified. The extent to which these plants are gathered for medicinal uses by Native Hawaiians of the district was not surveyed. The impact of developing STARS in their ecosystem is not assessed. The impact of limited access for the gathering of these plants was not assessed.

In 1991, the Hawai'i State Department of Land and Natural Resources, the U.S. Fish and Wildlife Service, and The Nature Conservancy of Hawai'i issued a report on the status of Hawai'i's natural heritage called "Hawai'i's Extinction Crisis: A Call to Action." It reported that as of September 1, 1991, 18% of the U.S. Endangered Species list are Hawaiian species. The last remnants of Hawaiian coastal plant communities are on the most remote and arid shores and 90% of the lowland plains once forested by sandalwood and other unique dry forests, have been destroyed. Mana, particularly the Nohili Dune, on Kaua'i is one of the remote areas for Hawaiian coastal plant communities. In light of these conditions, protection of the habitat for the coastal native plants at Mana is a major concern.

B. The assessment of native plants did not include a listing of any seaweeds; a survey of the extent to which they are gathered in the project area for subsistence, cultural, religious, or medicinal uses; nor the impact of STARS on the growth of these seaweeds and availability for gathering by Native Hawaiians for traditional and customary uses.

C. The report acknowledges that the County of Kaua'i has designated the dune area on PMRF as ecologically important, with a well-developed native strand community. It also acknowledges that the State of Hawai'i has designated the sand dunes as a sensitive habitat. Nevertheless the report asserts that the dunes will not be impacted. However, it does not cite any authoritative source or studies to confirm that assertion.

(4) Native Fauna

The report just discusses the impact of STARS on selected endangered birds, humpback whales, the Hawaiian Monk Seal, the green sea turtle, and the Hawaiian hoary bat. It does not provide any information or inventory of types of fish and marine life gathered and caught on the reefs and in the offshore waters. The extent to which the community relies upon the fish and other marine life for subsistence, cultural and religious purposes; and the impact that STARS will have on fishing is not addressed.

The primary fishing season(April through September) coincides with the nesting season for the endangered green sea turtle (May through August), protected under the Endangered Species Act. The season also roughly coincides with the breeding season for the Newell's Shearwater (April to November).

Nohili Coalition Critique of STARS draft EIS / 4

#### WR313 (cont.)

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In the Caribbean, the U.S. Navy does not bomb Culebra during the nesting season of the locally endangered species of turtle. Perhaps no launches should be scheduled from April through September/November to avoid negative impacts on subsistence fishing and gathering and upon the life cycles of the green sea turtle and Newell's Shearwater.

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The draft report acknowledges that the drainage canals on PMRF are potentially important waterbird habitats, that the Mana base pond adjacent to PMRF is also a wildlife/bird sanctuary, and that the Kawaiele Wildlife Sanctuary is located about 4 miles south of the launch facility. It asserts that these areas would not be affected by construction or launch activities. However, no authoritative source or study is cited to support this assertion.

(5) Native Hawaiian Subsistence Fishing

The executive orders which designated the lands for use by the military guaranteed that access to the shore for the purpose of fishing would be guaranteed, except on portions used for bombing and that only while the activities are actually in progress or about to commence. In Kekaha-Waimea, 90 percent of the local Hawaiian community fish off of PMRF from April to September. The ocean is too rough to fish from October through March. This natural cycle affords an seasonal abundance of fish in pristine waters. It is likely that the prime time for fishing from April to September will coincide with the prime time for missile launches. If the majority of the 56 days of closure fall within April to September the impact will be substantial and very significant. Access to the shore would be prohibited during the ideal time for fishing, effectively denying access for fishing.

If subsistence fishing is disrupted, the lifestyle of 90 percent of the local Hawaiians who fish off of PMRF will be negatively impacted. This will precipitate a chain of negative impacts experienced for the families and community of Kekaha/Waimea. The 'ohana system of exchange and sharing of foods caught and gathered would be disrupted. The diet of the families will worsen. The standard of living will be negatively impacted by the increased cost of purchasing food, due to the lack of fish, seaweed, and other marine foods which are part of the regular diet from April through September. The inability to fish and gather marine foods regularly relied upon may impair the ability of the 'ohana(extended family) to celebrate life cycle events - baby

lu'au, weddings or birthdays.

(6) Impacts Upon Cultural Sites and Use Areas

The draft EIS is not in compliance with the National Historic
Preservation Act, particularly since no determination on the sites in the
project area was made. Under the National Historic Preservation Act, the
U.S. Navy is required to nominate eligible sites to the National Register of
Historic Places. In addition, the U.S. Navy should be required to develop a
cultural resource management plan to assure that Native Hawaiian use if the
historic and cultural sites are assured and that uses in the area would not
negatively impact the historic and cultural sites and use areas.

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The study refers to a report written by Flores and Kaohi but it was not appended to the copy that was made available to the public. Without the report, we cannot determine if the study was complete. The EIS only addressed the impact upon sites in the area where the launch pads and support facilities are to be constructed. The EIS should address the impact upon sites in the Blast Zone as well. No map of the sites in the entire project area, including the Blast Zone was provided. The public is unable to determine if the report is accurate with regard to the location of all known sites and to the nature and extent of potential impacts upon those sites.

Each of the historic and cultural sites that are identified in the EIS and the reports which were used as the basis of the EIS should be nominated to

the National Register of Historic Places.

In addition to the impact upon particular sites, the National Historic Preservation Act requires that the report must assess the impact upon cultural use areas such as the place known as ieina-a-ka-uhane, areas utilized for fishing, and gathering, as areas known for experiencing ho'ailona (signs in natural phenomena) such as the mirage phenomena of Limaloa that Mana is famous for. The sacred nature of the area known as leina-a-ka-uhane is acknowledged in the EIS.

Trails in the site must be identified and protected. Hawai'i state laws required that traditional trails be maintained and access along those trails be

provided.

The EIS states that, "PMRF is located within an archaeologically and ethnographically sensitive area of Kaua'i." The EIS also acknowledges the fact that the dunes in the area are known to have pre-contact Hawaiian burials and is classified by the county as a special treatment district.

Kama'aina witnesses can verify that the area is also important for subsistence fishing and that there are fishing ko'a on the land related to fishing grounds in the ocean. In light of this, we believe that the area encompassing the dunes, including the shoreline and offshore ocean utilized for subsistence should be nominated and protected as a historic district on the National Register of Historic Sites.

Native Hawaiians should also be afforded access to the historic and cultural sites and use areas under terms of the American Indian Religious Freedom Act. This is not addressed at all by the draft EIS.

(7) Burials Treatment Plan Is Required

The Hawai'i Revised Statutes, Chapter 6E defines how prehistoric burial sites must be treated. Under the law, before a proposed project which may affect unmarked prehistoric or historic Hawaiian burials commences, the Department of Land and Natural Resources (DLNR) must be notified, allowed to review, comment and concur. This includes development of a burial treatment plan that must be approved by the appropriate island burial council. After referral, the council shall have 30 days to make a determination whether to approve the burial treatment plan. The draft report acknowledges that the State of Hawai'i Coastal Management Program

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has designated the dunes and adjacent sandy beach areas in the northern portion of PMRF as moderately sensitive due to the potential for the presence of human burials and paleontological remains. As mentioned above, the County of Kaua'i has designated the area a special treatment district because of the presence of human burials. Archaeologists and naval planning staff have indicated that there could be considerable potential for the inadvertent disturbance of burials and archaeological materials by project activities. The report also states that Hawaiian oral tradition and traditional burial patterns indicate that the dunes and adjoining sandy areas can be considered to be an area of high sensitivity with the potential for containing human remains.

The proposed mitigation plan for cultural resources, including burials is to proceed with work unless and until cultural artifacts are discovered. At that point the remains would be treated as inadvertent discoveries and a full or sample data recovery/research and documentation program (controlled excavation) would be implemented. This is unacceptable and illegal. Given the admission by the draft EIS that burials are known to be present throughout the PMRF site, the STARS developers are required, under law, to develop a burial treatment plan which must receive approval of the DLNR and the Kaua'i Burial Council, prior to commencement of any construction. The burials cannot be treated as if they were inadvertent discovery given the fact as stated by the draft EIS that, "current available information indicates that burials within the PMRF can occur virtually anywhere within the installation."

(8) Land Use

The area bordering the project site and impacted by the blast zone is part of the ceded public lands trust. Currently the land is under lease to Kekaha Sugar Plantation, a subsidiary of AmFac. The lease on the land expires in December 1993.

Adjacent lands also include lands of the Department of Hawaiian Home Lands. Those lands are also used by the Kekaha Sugar Company under

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terms of a lease that will expire in December 1993.

Currently, there are 21,000 Native Hawaiian beneficiaries who have applied to settle upon Hawaiian Home Lands. At least 2,000 applicants desire to settle upon the Department's lands on Kaua'i. Native Hawaiians from the West side of Kaua'i have already indicated their desire to settle upon the Hawaiian Home Lands in Waimea.

There is a concern that development of STARS will render the ceded lands useless for future habitation, development or diversified agricultural or other uses. Hawaiians are concerned that STARS would prevent ultimate

settlement upon Hawaiian Home Lands.

A proposed possible swap of Kekaha Sugar lands for upland Hawaiian Home Lands would result in approximately 16,000 acres adjacent to PMRF becoming available. These lands would be used for housing and economic development but could be rendered useless by the emissions toxicity, noise and potential of catastrophic launches. Toxic fuel spillage, leakage or

Nobili Coalition Critique of STARS draft EIS / 7

catastrophic launching could render lands useless or permanently contaminated, so that future use by Hawaiians would not be possible.

An assessment of the economic impact of restricted uses of the adjacent ceded and Hawaiian Home Lands must be included as part of the EIS. This must also address the issue of compensation for lands included within the Blast Zone and around its perimeter.

In addition, the entire ahupua'a of Waimea - from Koke'e down to the ocean - is Crown Land. Most of Hawai'i's ahupua'a (land divisions running from the uplands to the sea) already are developed, fragmented and heavily used. But the ahupua'a at Mana is special for two reasons: it's one of the biggest in the state and other than PMRF, it has remained in agriculture or conservation use. When Hawaiians regain sovereignty and control of their lands, the ahupua'a, which are traditional land divisions, will become valuable cultural components of the Hawaiian nation. Since most of the ahupua'a are already developed with resorts, government buildings and other uses that will be hard to move, the undeveloped ahupua'a become even more precious for restoration of the Hawaiian culture. As the Hawaiian people move toward achieving formal recognition of sovereignty, the ahupua'a of Waimea, the largest single ahupua'a comprised entirely of Crown lands, would be ideal for inclusion in a sovereign land base. In the interim, Hawaiians are moving toward calling for a moratorium on the exchange and development of ceded lands which would negatively impact upon the ceded public lands and the Department of Hawaiian Home Lands.

(9) Failure To Assess Impact On Ni'ihau, Kaula, and Lehua

The draft EIS does not assess potential impact of overflight on Ni'ihau, Kaula, or Lehua. Ni'ihau's 200 residents utilize rainwater catchment systems for drinking water. In addition, the only fresh water ponding on the island is used for cattle and sheep. Exhaust emissions and catastrophic launches would jeopardize the health and livelihood of Ni'ihau Hawaiians. The residents of Ni'ihau, whose first language is Hawaiian need to be informed about the STARS program and consulted regarding potential impacts. Testimony presented at the public hearing indicates that residents on the island were inappropriately pressured to sign letters of support for STARS without being informed of the impacts.

(10) Failure To Conduct Social Impact Assessment

The EIS provides no information on new jobs, types of jobs, required skill and educational level for the jobs or how many local people versus new employees from off-island would be hired. There is no indication of how many off-island employees with their families would move into the community if STARS is constructed and operated. Moreover, the draft EIS provides no confirmation of the fact that the PMRF base will, in fact, remain open under a "No Action" scenario if STARS is not approved. PMRF will continue to fill a training need for the U.S. Navy, especially in light of the

Nohili Coalition Critique of STARS draft EIS / 8

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recent closures of Subic and Clark Bases in the Philippines, as well as Kaho'olawe island in Hawai'i.

No survey was conducted of the community to assess community concerns regarding the STARS. The community anticipates an increase in social tensions and a change in the rural character of the Waimea-Kekaha area if personnel from outside of Hawai'i move into the community for the STARS. They also anticipate a negative impact on the availability of housing and a related increase in the price of houses. The influx of additional families into the community will also place additional burden on the school system, social services, fire and police protection, civil defense and medical services. These kinds of social impacts should be assessed in the EIS.

#### (11) Natural Disaster Area

PMRF is located in an area prone to tsunami, hurricanes, and tropical storms. It notes that a gazebo structure located in the vicinity of the project area was destroyed by a tsunami. These issues are not adequately addressed in the draft EIS.

#### (12) Failure To Assess Impact Under Different Scenarios

The draft EIS does not consider the social impact of operating STARS under different scenarios: (1) If use of the adjoining ceded lands changes after the expiration of the Kekaha Sugar lease; (2) If the Hawaiian Home Lands are settled; (3) If the adjacent ceded lands and Hawaiian Home Lands come under jurisdiction of a sovereign Hawaiian nation.

(13) Procedure to Designate a Blast Zone

The procedure and under what authority, rules and regulations a blast zone would be designated is not described. The report does not indicate what kinds of restrictions would apply within the blast zone. The report does not discuss forms of compensation that would be provided for reducing the value to the ceded public lands trust and the Office of Hawaiian Affairs which receives 20 percent of the revenues generated from ceded lands.

The proposed STARS program is a multimillion dollar venture. If allowed to continue, Hawaiians must be compensated and a new lease agreement drafted. If a proposed Homelands swap is terminated because of the intrusion of the blast zone into lands targeted for the exchange, then revenues from STARS should be utilized for developing infrastructure on Hawaiian Home Lands in the uplands of Waimea.

Acid rain and catastrophic launches could threaten lowland to upland Koke'e rainforest due to upper atmosphere prevailing winds that blow inland, unlike the low level winds, which are seaward. Seasonal wind conditions are unpredictable, increasing the threat to inland habitats, rainforests and subsistence hunting.

Nohili Coalition Critique of STARS draft EIS / 9

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(15) Hawaiian Language

Information from the EIS should also be translated in Hawaiian for native speakers of Hawaiian who live in Waimea-Kekaha and on Ni'ihau. The highest concentration of native speakers of Hawaiian live in the area to be impacted by STARS. They should be given the benefit of being fully informed on the impact of the program to their lifestyle and livelihoods.

Nohili Coalition Critique of STARS draft EIS / 10

WR314

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5011 Malu Road Kapaa, Hi 96746

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Deputy Commander U.S. Army Strategic Defense Command CSSD-EN-V (D. R. Gallien) P.O. Box 1500 Huntsville, AL 35807-3801

Subj: PUBLIC COMMENT ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT

My name is Eugene Henriques and I am a lifelong resident of Kauai. I have worked at the Pacific Missile Range Facility (PMRF) for the past 12 years, and am currently employed as the Operations Control Supervisor for CPK, the prime Operations and Maintenance (OMM) Contractor at PMRF. With the execution of my daily duties, I have thorough knowledge of the process which all prospective programs at PMRF must endure in order to become operational. I wish to state that no single program has involved the indepth research and overall program scoping as the STARS progam. I felt all along that the Environmental Assesment (EA) adequately met my concerns both as a citizen and as an employee at PMRF. I also recognized the political realities which existed, and understood that when all levels of politicans from our local county council up through our senators in congress insisted upon a complete EIS, that you had no choice but to carry it out. I am more than satisfied with the findings of the draft

Keep in mind as an example the recent public hearing at the Kauai War Memorial Convention Hall, the first night by most estimates a crowd of no more that 900 people showed up to listen and testify. The center holds over 1100 people quite comfortably, of the 900 or so there, it was readily apparent that more than 50 percent of these people wore yellow shirts symbolizing support for the STARS program, in addition to these people, there were numerous people not in yellow who also were there in support of STARS and FMRF. Yet, when you count up your speaking engagements both Pro and Con, you will see a number clearly in favor of the opponents of STARS and SDI. This was clearly an organized effort of the professional protesters, most of whom are recent arrivals to this island and who make a lot of noise in proportion to their numbers, and who enjoy the solid sympathy and support of our islands' two newspapers and one local cable access TV station. Those who are opposed to STARS all showed up, yet they were still outnumbered by those who support this program and the findings of the DEIS. Keep in mind that over 49,000 residents did not show up to listen or testify. That tells me that approximately one percent of the people of this island actively oppose this program. The other thing which is so shocking to me is the amount of loose propaganda which STARS opponents are allowed to toss around unchallenged. In particular showing a catastrophic launch failure of a Titan Rocket and comparing the result as equivalent to a similar event involving the Polaris booster.

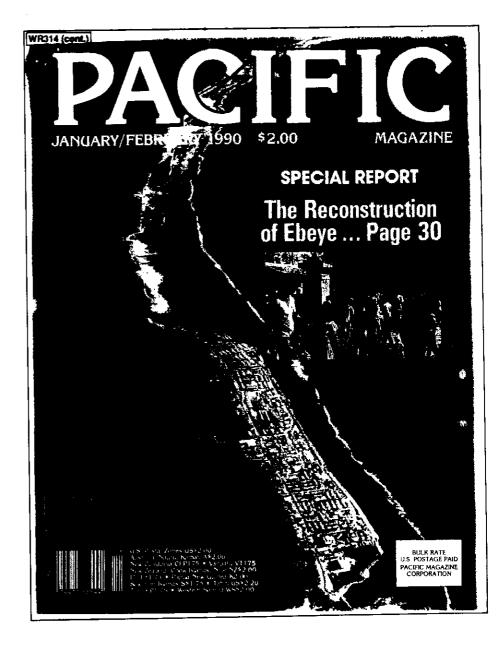
Page 2

Another example is the sudden discovery of those poor unfortunate souls on Ebeye by STARS opponents. I am a student of the Pacific, my wife is Micronesian, so I have a very deep understanding and personal concern for the welfare of the Pacific People. I could not believe the utter trash being put out by STARS opponents about this program causing or perpetuating the social situation on Ebeye. Enclosed please find a copy of the Jan/Feb 1990 issue of Facific Magazine as supporting documentation. I am a regular reader of various pacific publications, and I can attest that this particular magazine is not noted for its pro-American articles. This particular issue is totally dedicated to the Ebeye improvements which were only possible by the money the Marshall Islands and Kwajelein Development Authority received from the current agreements with the U.S. Government. You will see that the Ebeye concerns are being addressed in a very humanitarian way. Considering the economic alternatives for that area. I feel the Marshall Islands Government has gotten a pretty good deal.

In closing, I would like to commend the Army for its professionalism and level temperament displayed through this whole process to date. I would also like to thank the DOD officials who had the foresight to pair the DODs best product manager and the best test and evaluation facility in the nation, PMRF, together for this critical series of experiments.

Thank you for this opportunity,

Fugene Henriques

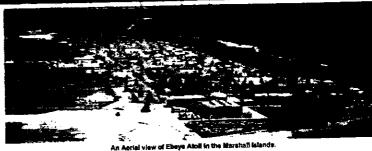


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PACIFIC MAGAZINE-3

#### WR314 (cont.)

## Special Report: 'The Reconstruction of Ebeye



## Ebeye: From Pacific Slum to Isle Showcase

by Giff Johnson

Ebeye: First-time visitors to Ebeye are usually taken aback by the overcrowding, dilapidated homes, and the army of children running wild on the island. But long-time residents just shake their heads and smile, because they know what Ebeye used to be like.

Ebeye has come a long way with

But it wasn't always that way on this most untypical of tropical Pacific islands. Ebeye became a disaster area for two reasons: the United States moved people off their home islands in Kwajalein Atoll and onto Ebeye in the early 1960s so missiles could be fired into Kwajalcin's vast lagoon; and hundreds of outer islanders migrated to Ebeye, hared by the high-paying jobs at the missile range. Within a span of 10 years—from the mid-1950s to the mid-1960s-Ebeye burgeoned from a manageable community of several

when it rained, broken sewers, dusty roads and thousands of people jam-pack-ed into 76 acres of land, Kwajalein seemingly had it all: tennis courts, a golf course, air-conditioned homes, manicured lawns and a more than adequate hospital.

Journalist James Ridgeway commented in 1983 that "island" is too flatmemer in 1905 that manner the first a word for Ebeye. "A visitor sees, amid the Pacific blue, about four city blocks of shum shacks. Scarcely a tree, no grass, no sanitation, fitful electricity and

North Lol,



marked improvements in power, water, garbage pick-up, a sewer system and roads since 1986. But it has a long way to go before it wil be a healthy environment for people, particularly children, to live in. A planned causeway, linking Ebeye with six islands to the north, will open the door for serious redevelopment of Ebeye and neighboring islands. Now, with infrastructure development in place. there is an optimist-almost euphoricmood among the leadership of Kwajalein that their island could be a model for development in the Pacific region.

homes, without decent health care or sanitation facilities.

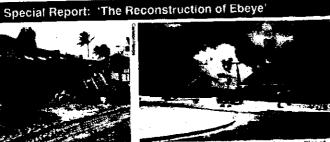
hundred Marshall Islanders to several

thousand living in the most rudimentary

By the mid-1960s, Ebeye deserved its labels as a "biological time-bomb that could go off at any time," and the "slum of the Pacific." Indeed, United Nations Visiting Missions and Congressional representatives repeatedly criticized the deteriorating social and health conditions on the island. The slum-look was sharply accentuated by Kwajalein Island's country club atmosphere, where 3,000 Americans lived and worked for the Army. While Ebeye had nothing—no medical supplies, a hospital that flooded 8,000 people—predominantly children—on a lump of coral barely onetenth of a square mile in size."

With no local authority to take charge of development, the island was caught between the intransigence of a distant U.S. Trust Territory bureaucracy in Saipan, and a bostile military command three miles away at Kwajalein. For years. the Army contended that Ebeye was the civilian Trust Territory Government's responsibility, while the Trust Territory's attitude was that since Ebeye was in the Army's backyard, the Army should deal with Ebeye problems.





Homes destrayed by Trapical Storm Roy in 1988 (left photo) have been replaced with newly constructed communities of ixes on Ebeys and Gugeegue (right photo)

Examples of this attitude abound. The lack of health and sanitation facilities was only one cause of Ebeye's problems Dr. William Vitarelli, the American High Commissioner's representative on Ebeye from 1967 to 1969, reported: "We were having a gastroenteritis epidemic on Ebeye ... I had pleaded with the army colonel from the Kwajalein Missile Range across the lagoon, who was in charge of building the water catchment systems, to cover the catchment tanks. I feared that they would become contaminated with the filth of Ebeye. He refused. We offered to build new covers ourselves if the Army would only proKwajalein... to take her to the Kwajalein hospital for treatment.

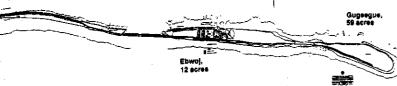
We were stopped at the beach by an American guard, who would not let the child enter the island ... The Marshallese nurse pleaded with the guard that the child was dying and she could not receive appropriate therapy on Ebeye. The guard did not permit the child onto the island. She died on her way back to Ebeye. Five children died during the epidemic."

Eight years later, little had changed. Dr. Konrad Kotrady, a physician for the U.S. Brookhaven National Laboratory, told a U.S. Congressional committee investigating problems on Ebeye in 1976: "The picture I would like to paint for

Kwajalein regarding Ebeye's health care

present agreement between the Trust erritory and Kwajalein states that the Kwajalein hospital is only to be used on an emergency basis. There is little desire to expand on that basis to help improve Ebeye's desperate situation."

Not surprisingly, Kwajalein landowners began objecting to the lack of action on festering problems on Ebeye. When their requests for action were ignored, landowners began a series of "sail-in" protests to restricted islands in the atoll in an effort to peacefully disrupt missile testing and force Army and Trust Territory action. Army safety regulations during missile tests into Kwajalein require that nobody be in the central part of Kwajalein's lagoon, known as the "mid-



vide the materials. Again he refused. Then the epidemic came, which was traced to uncovered, contaminated water tanks.

During the diarrheal outbreak, Dr. Vitarelli said: "The Ebeye hospital ran out of intravenous fluids needed to sustain the lives of Marshallese children severely dehydrated from profuse vomiting and diarrhea. I took one Marshallese child, who was very ill, and put her on a skiff and motored four miles to

system is that Kwajalein has an attitude of indifference and apathy to what occurs on Ebeye... The Army's position was summed up to me one day, when a highlevel command officer at Kwajalein remarked that the sole purpose of the Army at Kwajalein is to test missile systems. They have no concern for the Marshallese and (it) is not of any importance to their being at Kwajalein."

Dr Kotrady said that medicine is a human profession that should not be affected by political or military considerations. "The sole interest should be the supreme care of a human being... The

The first sail-in was launched in 1969, when landowners occupied several islands in the mid-atoll corridors, after U.S. Trust Territory officials disregarded demands from the landowners for increased compensation and access to their off-limits islands. The occupation, led by prominent landowner Handel Dribo, resulted in a new five-year lease, providing substantially increased compensation. But by the late-1970s, a lease for Kwajalein Island that paid the landowners a triffing \$10 an acre per year for 99 years' use became a key issue, as

(Continued on page 32)

PACIFIC MAGAZINE-31

#### WR314 (cont.)

## Special Report: 'The Reconstruction of Ebeye'

#### Isle Showcase...

(Continued from page 31) deteriorating living conditions magnified the inadequacy of the U.S. compensation. During the summer of 1979, the sewer system collapsed, spewing sewerage into people's homes; two of the three generators in the old power plant were out of commission, and the pollution levels in the lagoon were recorded at 25,000 times the safe level set by the

World Health Organization

The landowners, led by Senator Imata Kabua and Handel Dribo, once again took to their boats in protest, setting up camps around the atoll. While earlier protests had centered on the mid-atoli corridor, this time, the people occupied the missile range headquarters at Kwaialein Island and the important missile-tracking island of Roi-Namur, in the northern portion of Kwajalein. It was impossible for the Americans to ignore

Kwajalein landowners charged the U.S. with continued neglect of needs on Ebeve. "I have a letter from (Hawaii Representative) Patsy Mink which, in 1976, stated the Ebeye sewer system needed immediate attention," Kabus said, "It's more than three years later and what has been done? Nothing



There is a new mood on Ebeys, with residents beginning to take more pride by cleaning up each day.

32-JANUARY/FEBRUARY 1990



Typical of Ebeys's crowded conditions is this cluster of homes, jokingly marked

The 1979 protests resulted in a dramatic increase in annual compensation payments from the U.S. From a few hundred thousand dollars a year, the lease payments jumped to \$9 million, with \$5 million going directly to landowners, and the balance going for development

projects.
Still, a lack of local control at Ebeye meant problems continued to fester. And while the landowners were receiving more money, the U.S. interest in Ebeye's needs faded as the people ended their occupations of the islands.

Three years later, the largest protest against the recently signed Compact of Free Association was launched at Kwajalein. More than 1,000 landowners sailed into about 11 islands around the atoll and camped out for some four months demanding increasing compensation and improved living conditions.

A demonstration of the gulf between the U.S. perception of the situation at Ebeye, and the reality of life on the dusty, disease-ridden slum was exhibited in comments by then-U.S. Ambassador Fred Zeder and a United Nations Visiting Mission in 1982.

Said Zeder: "(On Ebeye), there are schools, a hospital, commercial enterprises and other amenities... It should also be noted that the U.S. Government provides all Micronesians free hospitalization and education, as well as job opportunities that pay well in excess of the local wage level ... I can think of nowhere in the United States or, for that matter, the world where any government so provides for its citizens or, indeed, for individuals outside its domain.

Reporting on the same island, the U.N. said: "The people of Ebeye live in crowded, one-room houses with substandard and inadequate services. The sewerage system never functioned properly as a result of defective construction work. Since the visit of the 1980 mission, the situation appears to have deteriorated instead of improving... The hospital, where only one toilet in ten is operational, is dilapidated...

The landowners received some compensation from the U.S. following their 1982 sail-in. But the glimmer of a possible breakthrough for real change on Ebeye did not occur until mid-1983. That was the inauguration of the atoll's first local government, headed by Mayor Alvin Jacklick, a young activist Ebeye resident, who had been educated in the U.S. and in the sail-in camps during the Kwajalein protests.

A short time later, the Kwajalein Atoll Development Authority was established to organize and supervise development initiatives on Ebeye and other islands in the atoll. Both organizations were headed by local leaders. At first, the na-tional government in Majuro was less than forthcoming with support for the two agencies. Many of the leaders head-(Continued on page 34)

#### Special Report: 'The Reconstruction of Ebeye'

#### isle Showcase...

(Continued from page 32)

ing KADA and the local government had been key protest leaders. The scares of the Kwajalein protests-during which the Marshall Islands Government was obligated to side with the U.S. because of lease agreements-took many years to

But as Kwajalein leaders' interests turned from protests to development progress and coexistence with the Army, the attitude of the national government changed to one of increasing support for local initiatives.

After an initial period of a total Army cut-off of services in response to the 1982 protests, the Army launched a selfstyled "good neighbor" policy towards-Ebeye, which has resulted in cooperation with the local government and the development authority on a variety of projects. "When the Army cut off free access to Kwajalein, Ebeye people were upset," said Bill Bezzant, a long-time Ebeye resident and the controller at Triple I wholesale. "But it forced people to build their own facilities. The people



New and much improved homes are being built on Ebeye. Above is Anjojo Kabua's

were cast off on their own, and now they have their own identity.

"8,000 people have lived here when nobody in their right mind would set foot here. They toughed it out and now things

Though it will take many years before Ebeye is considered a "nice" place to live, the island is now on a positive course. The local government and the development authority get the real credit for the changes that are rapidly transforming Ebeye and nearby islands. They are gaining increasing support from the

(Continued on page 39)



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34-JANUARY/FEBRUARY 1990

#### WR314 (cont.)

### Special Report: 'The Reconstruction of Ebeye'

#### Isle Showcase...

(Continued from pate 34)

national government, the Army and U.S. agencies.

But it is their doggedness that is reaping benefits for the community. Everyone said Ebeye had to improve, yet without the local control and leadership that the two agencies have given, it is doubtful that Ebeye would have seen the dramatic development changes of the past six years.

## **KADA: A Team** That 's Reshaped Kwajalein Atoll

by Giff Johnson

The Kwajalein Atoll Development Authority (KADA), working closely with the local government, has forged a successful team of planners, architects, engineers and construction companies to reshape the atoll. The development authority is run by Marshall islanders who have brought in outside experts to nurture their ideas and plans to fruition.

Senator Imata Kabua, the most powerful iroij (chief) on Ebeye and a close relative and political ally of President Amata Kabua, is chairman of the KADA board. He is joined by other landowners and Marshall Islands Government repre-

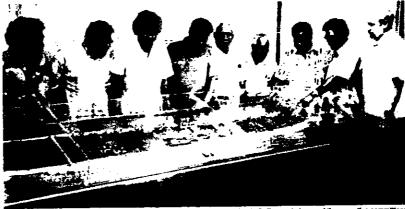
sentatives. KADA's executive commit tee of chairman Justin deBrum, the government's liaison officer to the Kwajalein Army Base, Alvin Jacklick, Ebeye's mayor, and Fountain Inok, a prominent local businessman, bave proved effective in speeding work along.

lehan Riklon oversees the day-to-day ac-

tivities of KADA as its executive direc-

KADA has anracted substantial financial support from the U.S. Congress and numerous federal agencies, and backing from the Marshall Islands Government. Its network now extends to Washington, D.C.: Frank Solomon, a former Interior Department official, assists KADA by lobbying on "The Hill." A presence in Washington has proved crucial to gain-

(Continued on page 40)



Members of the Kwajatein Atoli Development Authority Include, from laft: Justin DeBrum, chairman of the executive con Fountain Inok, treasurer; Alvin Jacklick, secretary; Sen. Hermide Klbin, board member; Atldrik Male, board member; Hand Sen. Imata Kabue, KADA Chairman; Jeban Riklon, executive director, and Carleton Hempe, architect and planning cone

PACIFIC MAGAZINE-39

(Continued from page 39)

ing the ear of federal agencies and the Congress, say KADA oficials.

Other outside staff include attorney Scott Stege, based in Majuro, who handles most of the Authority's legal matters. Hawaii-based architect Carlton Hawpe not only develops and oversees the blueprints for nearly all KADA construction projects, he also provides a link with federal agencies and the numerous engineering and construction firms that KADA deals with.

On-island, American Max Howard, an electrical engineer by trade, supervises all construction on the atoll to insure it meets building specifications. Working with him are building inspectors Augustine Nakamura and Sixto Lasao.

KADA officials credit International Bridge Construction Co. (IBC)-the only construction company based on Ebeye-with timely and quality work. Though other companies, such as AIC Micronesia and United Atoll Builders, are active on Ebeye, IBC has maintained a presence even during slack construc-

tion periods, providing needed assistance with small projects and maintenance programs, said KADA officials.

David Blake and Kai Rikon keep track of KADA's \$8-million to \$10-million annual budget, while Roseann Jackson manages the office on Ebeye.

KADA has blended local and international talent, and the results are evident from Ebeye to Gugeegue Island.

**KADA Leads** Kwajalein Atoli Revitalization

by Giff Johnson "Five years ago, Ebeye was not a viable

community," said Max Howard, the Kwajalein Atoll Development Authority's construction supervisor and a resident of Kwajalein Aloll since the late 1970s. "The sewers ddn't work, the power was off 40 percent of the time.

fresh water had to be barged from Kwajalein, and the streets were 'pothole

"Now, the power is outstanding 98 percent of the time, we make 160,000 gallons of fresh water a day, the sewers work, water is safe to drink, and the streets and sidewalks are paved."

Spearheading the Ebeye facelift is the Kwajalein Atoll Development Authority (KADA), which, after five years of intensive construction activity, has put basic infrastructure in place. "Our fingers are out of the dike," said KADA architect Carlton Hawpe of the infrastructure improvements, which have visibly changed the island.

The next, and most difficult, step is a major push on economic development, educational improvements and redistribution of Ebeye's overcrowded population of 8,300 to other islands.

The key to the next phase is a \$15-mil-

lion causeway linking Ebeye with six islands to the north, including Gugeegue Island-already the location of the Marshalls' first planned urban community. Yet, while the causeway has been seen as the linchpin in the plan since WR314 (cont.)

## Special Report: 'The Reconstruction of Ebeye'

the redevelopment scheme was conceived six years ago, lack of funding has stalled its start. In late 1989, the Marshall Islands Government elevated the project to a priority request for Japanese aid assistance. KADA officials believe that if Japan takes on the project, it could be completed in two years.

But an unstarted causeway has not measurably slowed the redevelopment plan in other areas. A turning point for Ebeye occurred when Tropical Storm Roy swept the low-lying island with 60mile-an-hour winds and 20-foot waves in January 1988. The day after the storm, 1.300 were homeless and the houses on the ocean side were little more than piles of rubble. The immediate tragedy of the storm turned into a golden opportunity that KADA did not waste.

KADA and the local government banned building without permits and allowed few homes to rebuild in their prestorm locations. Instead, with the quick response of the U.S. Federal Emergency Management Agency, emergency bar racks facilities were constructed for the homeless. FEMA worked closely with KADA, integrating its emergency assistance into KADA's long-term improvement plan. The result is newly constructed communities of duplex apartments on Ebeye and Gugeegue islands that replace the homes destroyed by Roy.

Twenty-seven Ebeye families are moving into the new FEMA homes on

Gugeegue, a previously uninhabited is-land. The Army has agreed to run its ferry service to Gugeegue so that its new residents can get to and from work at (Continued on page 42)



Houses, from ocean to isgoon, line Ebeye's streets. Above are emergency barracks that were erected for victims of the 1988 storm.

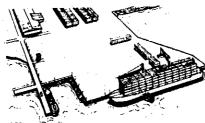
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APPLICATIONS CLOSE: January 31, 1990

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Ebeye or the Kwajalein base until the new causeway is built and they can drive to Ebeye. An elementary school, dispensary, salt water sewer system and fresh drinking water treatment facilities are all part of the new Gugeegue community which, with its roads and sidewalks, resembles a neighborhood cut from a California subdivision.

Eventually, said Hawpe, the island could accommodate 2,000 people. KADA officials point with some pride to Gugeegue as a model for future development. It's the first planned urban community in the Marshll islands, and probably one of the first in the region. The solution to Ebeye's overcrowding, said Hawpe, is not to diminish the population but to control development. And Gugeegue affords KADA and the Kwajalein Atoll local government the opportunity to do just that.

A second turning point last July saw all the major landowners of Ebeye sign a lease granting more than 75 percent of Ebeye's land to KADA. It will pave the way for KADA's plan to disperse the population, establish commercial zones, expand recreational facilities and build the Island's first public high school.

the istand's tirst public alga school.

"Before the July lease signing," said

KADA executive director Jeban Riklon,
"all development on Ebeye was piece by
piece. Now the landowners have given

KADA the okay for development. Our objective is to remodel Ebeye."

With the Ebeye lease in hand, KADA has the power to move from the drawing boards to the streets of Ebeye. "We're at a fork in the road," said Howard. "Up to now, we've been establishing infrastructure for the future: roads, sewers, power plant, the dock. Now we can think about economic projects that will perpetuate themselves."

There are noticeable changes in people's perceptions of Ebeye. Ob-

served Hawpe: "During the last six months, there has been a change in gears. People are coming to us with proposals (for business developments). Now, tocal businessmen are thinking about development loans to expand their businesses, build new hotels. A year ago, they wouldn't have talked about this."

Justin deBrum, the Marshali Islands Government's liaison officer to Kwajalein—who also doubles as chairman of KADA's executive committee said KADA is looking to encourage in-



KADA building inspector Augustine Nakemura, right, discusses the Gugaegue housing project with KADA construction supervisor Max Howard and IBC Construction supervisor Scott Reed.

come-generating activities for residents of Ebeye and other islands in the atoll.

"Now that the infrastructure is ready, we can start thinking about economic development projects, he said. Among other projects, KADA plans to launch a hydroponic garden and a clam farm on the atoll. "Initially," said deBrum, "the objective of the projects is to improve nutrition. In the long run, they will look to exports," he said.

In addition, once the new Ebeye dock is completed, KADA will construct as mall boat marina, which deBrum believes will give a boost to local commercial fishing. "Now, not alot of fishermen on Ebeye are fishing commercially," he said. "But there is a ready market, with the Army willing to buy up to 2,000 pounds of fresh fish every month," he said. "Our plan is to build a small boat marina with a fish market, ice, gas and a guaranteed market for the fish." he said.

(Con



Looking to the future, members of the KADA staff review proposed development

42-JANUARY/FEBRUARY 1990

WR314 (cont.)

Special Report: The Reconstruction of Ebeye'

Kwajalein Revitalization...

(Continued from page 42)

"I'm excited about the economic side of KADA. It's new for us."

The next phase of the redevelopment of Ebeye and Gugeeue will likely move slowly until the causeway is built, allowing relocation options for Ebeye's cramped population. Businesses that want to expand are currently wall-to-wall with howest or other businesses. Describing Ebeye's dense bousing, one resident said: "I can spit into my neighbor's window."

By construct, the new FEMA-funded duplexes have been built with so much open space around them that it prompted one American construction worker to ask KADA why it wanted so much space around the homes. The elbowroom around the houses it designed specifically to accommodate additions to the homes for large families, said KADA officials indeed, KADA landfill work has already added about 10 acres to the small island, a land area expansion of 15 percent. The days of shaking hands with your neighbors may be coming to an end for Fibrev.

Local Kwajalein Government 'Takes Charge'

by Giff Johnson

"People said we were just a bunch of young radicals trying to overthrow the government and the Army. They were wrong then and they're wrong now, "said Kwajalein Atoll Mayor Alvin Jacklick of his six-year-old local government.

Computers and FAX machines buzz in the background as Jacklick, in his stylish second-story office which overlooks Ebeye's new power/desalinization plant, and, in the distance, the U.S. Army's Kwellalen Missile Range Headquarters, goes about the business of running the local government with its staff of 150. Jacklick's and the local government's rise to power is all the more remarkable in light of the improbable conditions in which it began.

Ebeye's first local government was elected in early 1983, and inaugurated in July of that year. There was no office, no staff, no budget, just problems: streets littered with garbage, fresh-water

shortages and a poorly maintained hospital. "We were like bigshots without shoes," recalled Jacklick of the local government's infancy. There were just two other local government workers—Abon leadit and Joma Maie—who, like Jacklick, were young, wore their hair long and weren't afraid to speak their minds.

"KALGov." as the local government is known, first tackled the garbage pickup problem, soon bringing it under control by employing 15-foot-long trailers which were located in strategic parts of the island. People would deposit their ubbish in the trailers, and once a day a KALGov tractor would stop by, hook up the trailer, haul it to the dump and return it empty to the same spot

As KAL Gov was getting its feet on the ground, there was more than a little friction with the national government in Majuro. The KALGov style was direct. and while it was bringing results on Ebeye, it frequently irritated the power structure in Majuro. Jacklick believed that Ebeye had waited too long for action. and he was determined to focus the national government's attention to Ebeye's needs. KALGov took a big jump in 1986 when, after more than a year of negotiatons with the national govern-ment, it took over responsibility for Ebeye's Public Works operation and its more than 50 employees. Jacklick's complaint had been that Public Works employees didn't perform because their boss was 200 miles away in Majuro. Local control has obviously boosted morale and productivity. Now, Public Works provides very visible services. with daily (including Sunday) garbage collection, street cleaning (using a new street sweeper), hospital maintenance and public housing upkeep.

The local government works hand-inglove with the Kwajalein Atoll Development Authority. When a KADA construction or infrastructure project is completed, it is turned over to the local government for operation and maintenance. KALGov is in charge of enforcing ordinances relating to building and zoning, and handles all utility collections. Jacklick credits Jeadrik and Maie-his right and left hand menwith the local government's success "Without Abon and Joma, KALGov wouldn't be what it is now," said Jacklick. "These guys worked for the people of Kwajalein for two and a half years without a regular salary. Things were



Kwajalein Mayor Alvin Jacklick now heads a local government workforce of more than

## Special Report: 'The Reconstruction of Ebeye'

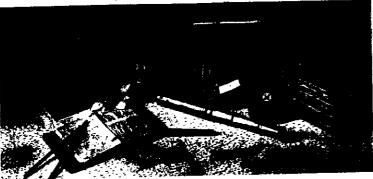
fuzzy at the beginning, but they sacrificed to help me. Teadrik is now the is 1 and 's city manager, overseeing KALGoo's several million dollar annual budget and enforcement of local ordinances. Maie is an assistant supervisor at Public Works, responsible for maintaining the emergency housing for storm victors.

KALGov's police force has rapidly expanded during the past year under Public Safety Director Jeimata Kabua. They now have 40 police officers (with plans to expand to 70 in 1990), and a newly constructed jail and office facility.

The local government takes an active approach to enforcing its ordinances. In August, it mounted a sting operation against local bars to check for underage drinkers and those without required alcohol drinking permits. Dubbed "Tidal Wave" by the police, the operation netted more than 50 violators of KALGov's ordinance, including a substantial number of Americans from Kwajalcin. leadrik noted that KALGov had launched similar checks in the past, but it was the first time that a lot of (Continued on page 46)



Ebeye City Manager Abon Jeadrik oversees the local government's multi-million-dollar budget, enforcement ordinances and government services.



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PACIFIC MAGAZINE-45

WR314 (cont.)

## Special Report: 'The Reconstruction of Ebeye'

#### KALGov 'Takes Charge'...

(Continued from page 45)

Americans from Kwajalein had been arrested. Jeadrik said that the sting operation had been mounted because "a lot of parents complained that kids were let into bars by the owners."

Enforcement of ordinances also brings substantial amounts of revenue into local government coffers. KaLGov is still having difficulty, however, collecting water and electric payments more than two years after the billing system was started. Residents were conditioned during Trust Territory days to receiving all public services free of charge. Breaking the habit is proving troublesome, though the situation is gradually improving, said Jeadrik and Jacklick.



Local government finance official Julian Riklon plays out the computerized payroll checks for KALGov employees.



Regularly scheduled garbage pick up by local government workers has dramatically improved sanitation on the overcrowded island.



Ebeya's combination power and desalinization plant has the capacity to produce up to 350,000 gallons of fresh water deliv

A minor incident at the local government recently underscored in an amusing yet instructive way the changes that have occurred on the island. One day in August, a KALGov payroll computer "bombed," prompting finance officer Julian Riklon to stake his head and work overtime to recover the financial records. Ten years ago, when the biggest complaint was that the toilets and sewers din't work, few people had serviceable typewriters, let alone computers. There are still problems on the island, but Ebeye and KALGov have come a long way in a few short years.

way in a few short years. Jacklick is now seeking the transfer of functions to KALGov of the ministries of Education and Health Services. "KALGov's record with Public Works and other activities demonstrates it is capable of handling the increased responsibility," he said. "Everyone said wewere joison fish. But the poison fish have turned Ebeye around," said Jacklick."

by Giff Johnson Senior Marshallese workers at the Kwajalein Missile Range say that opportunities for Marshallese to advance have greatly improved during the past two years. Close to 1,000 Marshall islanders are employed at Kwajalein-the largest local workforce ever. Two years ago, Pan American World Services took over the prime base contract from Global Associates, which had provided logistics support at Kwajalein since the early

"There are more jobs now and better benefits and there are more opportunities available for Marshallese," said stevedoring supervisor Losalo Lauti, one of the large number of Marshallese who have worked at Kwajalein for more than



Paul Patrick is the personnel administrator for Pan American World Services, the logistics contractor for the

Pan Am's Personnel Administrator Paul Patrick agrees. "Within a short time with Pan Am, there have been tremendous changes in moving Marshallese up," he said. "Now, when a job opens up, Marshallese get the first priority.

A sudden, \$16-million budget cutback in early 1989 rocked the base, forcing Pan Am to lay off about 70 Marshallese, and to place several hundred on a parttime, "job sharing" status. It caused severe financial hardships for many, but by the end of 1989, nearly all or those on temporary job-sharing had been brought back up to full-time status, while many of those laid off had been placed with other contractors on the island

Kwajalein has attracted Marshallese for many years because it paid at least U.S. minimum wages—about triple the going rate for jobs on Ebeye. But that ended with the 1986 implementation of the Compact of Free Association. Now the Marshall Islands' minimum wage of \$1.50 an hour applies, although the Army agreed that all Marshallese working prior to the Compact would stay on at their same wage level.

(Continued on page 48)

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PACIFIC MAGAZINE-47

WR314 (cont.)

### Special Report: The Reconstruction of Ebeye

#### Opportunity...

(Continued from page 47)

Patrick said that unskilled positions. such as janitors, groundskeepers and mechanic helpers, start off at \$1.75 an hour. But the 500 or so employees working prior to the Compact average up-wards of \$5 an hour, while the 15 Marshaflese supervisors on Kwajalein carn

\$11 to \$12 an hour, he said. In years past, Marshallese frequently charged that Americans were paid more for doing the same work. Patrick, who has worked at Kwajalein since the early 1960s, said that now "there is no dif-ference between Marshallese and American employees.

## Ebeve's 'Inner City' **Keeps Growing**

by Giff Johnson
Ebeye's army of children (over 50 percent of the 8,300 people are under 14) will prove to be the single greatest chal-lenge to Ebeye leaders as they work to reshape the island. Despite the rapid infrastructure change achieved in just several years on Ebeye, there remain few opportunities for youth on Ebeye. Recreation facilities and programs are limited, as is the job market, particularly since the early 1989 budget cutback at the Kwajalein base resulted in some layoffs and a temporary hold on hiring new workers.

Despite the population, there has never been a public high school on the island, and the two private high schools (operated by the Seventh Day Adventists and the Assembly of God) provide space for just a fraction of high school-age

One veteran Marshallese worker at Kwajalein, who, like many with money. sends his children to Hawaii for school, said he isn't encouraging them to return home when they finish. Why? "There's no future for kids on Ebeye," he said.

That's the way many people feel, though in actuality, there may now be more jobs at Ebeye and Kwajalcin than ever before, and more activities now that the local government opened a sports and



Hidee Milne, right supervises the small best marine for the Army base on

recreation department. The explosive reality is, however, that thousands of young Marshallese will be graduatingwith or without skills-into the workforce in a very short time. And the sheer numbers of youth are already taxing the island's ability to provide ser-

Romeo Alfred, the Kwajalein Atoll local government's sports recreation director, believes that the is-

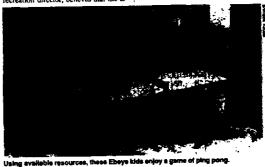
land needs to greatly expand its recreation facilities to service the needs of the growing population. "We want to im-prove our recreation facilities for kids." he said. "KADA has plans in mind, but it's a matter of money and land availability," he said. "There's an obvious need (for more facilities). Kids set up their own volleyball and basketball courts all around the island."

For this large urban population, there is only one basketball and tennis court and one baseball field. The sports and recreation program, established a year ago, organizes Ebeye sports leaguesthe first time in many years that there is systematic sports activity that does not fall entirely on the shoulders of volun-

Perhaps the lack of activities and facilities for young people—not so very different from Majuro, the capital of the Marshalls—is one of the foremost causes of crime and a mood of alienation overtaking youth in the urban centers today. Though change on Ebeye has been dramatic, few of those changes provide tangible support to teenagers growing up in the modern climate of Ebeye. Alcohol, drugs or worse-youth sniffing gasoline-are escapes that suck in increasing numbers of young people in the Marshall Islands, worrying many church

and community leaders.

Ebeye is Micronesia's "inner city," and developing a productive future for its young people is going to take the same level of thought, care and action that has already brought so many infrastructural and living condition changes to the is-



## Missiles Play **Major Role in Local Economy**

by Giff Johnson Early 1990 will bring the first field tests to Kwajalein of space weapons in the Strategic Defense Initiative (Star Wars) Though the Star Wars Program has resulted in an investment at Kwajalein of hundreds of millions of dollars for radar and launch facilities, and housing for American workers, missile defense work is nothing new to the Marshall Islands.

Since the early 1960s, Kwajalein has been the "bullseye" for missiles launched from Vandenburg Air Force Base in California. The Minuteman, Trident and



Cot. Phillo Harris. Kwaialein Commanding Officer



WR314 (cont.)

## Special Report: 'The Reconstruction of Eber'e'

#### Missile Range...

(Continued from page 49)

each launch has been used as a "target of opportunity."—to use the Army's jar-gon—for developing radar tracking and intercept capability that has provided the underpinning for what is now known as the Strategic Defense Initiative.

Kwajalein is the United States' only long-range missile testing site, and will be at center stage for testing this new generation of space weapons. The \$2-billion facility would be difficult or impossible to duplicate elsewhere, according to the Defense Department. Kwajalein's boomerang-shaped necklace of 90-odd islands surround an immense lagoon, forming the world's largest atoli-Kwajalein provides an enclosed target for incoming missile warheads-safe from Soviet interference. The radar, telemetry equipment and high-speed infrared cameras on a dozen of the islands record every phase of flight of the warheads.

Not surprisingly, the missile range (formally known as U.S. Army Kwajalein Atoll-USAKA) plays a major role in the economy of the Marshall Islands. According to Army estimates, Kwajalein accounts for an injection of \$23 million annually into the Marshall Islands, through land compensation payments,



The ALTAIR redar at Rol-Namur la Kwalalein's most powerful.



Employees bike to work past one of the many radar installations on Kwajalein.

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development assistance, wages to Marshallese base workers and taxes on Americans (who work as scientists, engineers and base support personnel). This figure equals one-third of the annual operations budget of the Marshall Islands Government.

But it is not money alone that connects Kwajalein and Ebeye, said Col. Philip Harris, Kwajalein's commanding of ficer. Numerous sporting and cultural events now bring the two communities together on a regular basis; while the Community Relations Council pulls together top leadership from both islands to discuss problems. "Developing solutions to the problems draws the communities together," said Col. Harris. He foresees the improved relations of the past three years continuing. "The two communities are tied together enough now, where a return to the icy climate of the early 1980s is unthinkable," he said. He said that the big programs of Strategic Defense Initiative tests to come would "be extremely difficult with the early 1980s mentality.

"Links between the two communities will continue to grow, in large part because of the active Ebeye leadership and the community," Col. Harris said. One area that Harris has promoted during his first year as commander is training op-portunities for Marshallese. He has encouraged Marshallese to take advantage of the U.S. Job Corps vocational training programs, and has worked with local contractors to assist with job training programs for their workers. The early 1989 budget cutback put a crimp in his training program, when many were laid off or put on part-time status. Still, the work situation has settled down since then, with a few new jobs opening up. Pan Am Personnel Administrator Paul Patrick said Marshallese get first con-

sideration when any job opens up.
Under the Compact of Free Association, the United States has a 15-year lease for use of Kwajalein, with the option to renew for an additional 15 years. Kwajalein's future role as the prime U.S. missile testing center, and its continued impact on the Marshall Islands economy. would appear to be secure for another

generation.

by Giff Johnson

Companies are keen to do business on Ebeye because residents have what they call "buying power." The island has an extraordinarily high per capita incomein part from salaries of Kwajalein workers-but in larger part from the multi-million-dollar base rental payments to landowners. About \$6 million a year is paid to some 80 senior landowners for rental of the Kwajalein Missile Range. The rental fee is no longer disputed, but the distribution of those funds among the landowners on Ebeye is a continuing-if less than public-concern. What attracts the businesses-the hard cash of rental payments-could prove a troublesome issue in the years

In the early 1980s, when the land rental payments leaped into the millions, the Kwajalein Atoll Corp.—the major organization of landowners-employed a system of per capita payments that assured each of the roughly 5,000 Kwajalein landowners an equal quarterly allotment, irrespective of their land holdings or traditional status. Though these quarterly payments were relatively small, they were used as collateral for obtaining bank loans and allowed Kwaialein residents to have group health insurance. All that is history.

Disputes among the landowners and with the Marshall Islands Government resulted in the demise of the once-powerful Kwajalein Atoll Corp. Now, the payments are divided into three equal portions for the iroij, alab and dri-jerbalthe three classes of Marshall Islands landowners. There are four iroii (chiefs) who receive one-third of the \$6 million, and about 75 alab and senior dri-jerbal who divide the remaining two-thirds. The rental payments are now distributed according to customary practices of sharing within lineages. Iroij have bristled when it has been publicly suggested that money isn't being distributed evenly to landowners at the bottom of the ladder. A U.S. Congressional report three years ago, however, was scathing in its criticism of the lack of a payment struc-



Competition among retailers has brought better prices and a bigger selection of goods to Ebeve.

ture in the present system, claiming that it could undermine U.S. national security interests by planting the seeds of unrest among landowners at the missile range. Army officials say that once the U.S. gives the money to the Marshall Islands Government, which in turn pays the 80 senior landowners, it is none of the Army's business what happens to it.

There is talk among senior landowners of the possibility of establishing a new "per capita payment system," suggesting that even though the KAC was an organization much in dispute, its payment plan was liked by many. Money is passed around among families by the senior landowners receiving these large sums. That is evident from the buying power of many Ebeve residents, and the families with children studying overseas. The iroij, who by custom oversee the affairs of the community, say they're making it possible for people to gain off-island medical treatment and education with a portion of their shares of the payments. But there are inherent pitfalls in a system involving the distribution of millions of dollars that relies on goodwill rather than a system based on contractual agree-

Direct criticism or questioning is frowned on in Marshallese custom, particularly if it involves higher-ranking leaders. Thus, what some landowners claim to be a problem with payment distribution will probably remain an issue, festering slowly beneath the surface. What impact it has on the future of Ebeye and Kwaialein depends largely on the

## **RRE** Looks at Multi-Million SS Expansion

Robert Reimers Enterprises (RRE), the largest locally owned business in the Marshall Islands, has been the "big business" on Ebeye since it opened its first small store 20 years ago. Ebeye's unique space limitations have forced RRE to develop in four separate store locations on Ebeye.

But the company would like to develop a shopping complex similar to the one which is at the heart of Majuro's Business District. The company would like to build a shopping complex, including an Ace Hardware, a grocery and a retail store and a Ben Franklin store with a total of about 20,000 square feet. Its current grocery facility is limited to 3,000 square feet, with no room for expansion, because of the packed housing conditions.

Like Gibson's officials, Francis and Ramsey Reimers said they look forward to competition between the two large stores. "It's in the interests of the community to have more than one large store," said Francis, who oversees the Majuro wholesale and retail operation.

'Now," said Ramsey Reimers, RRE's chief executive officer, "the Ebeye

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#### Special Report: 'The Reconstruction of Ebeye'

#### RRE Expansion...

(Continued from page 55)

operation is all bits and pieces. We like

the shopping mall idea.

While it waits for decisions from the Kwajalein Atoll Development Authority (KADA) about land availability, RRE began a small expansion this past September. The fastest-selling food items at RRE are take-out ribs, barbecued chicken, pizza and local foods, when they are available. To get the fast-food operation into a more visible location, RRE is building a "deli" that will open directly onto Ebeye's main road, where it is bound to get more foot traffic.

But RRE's Ebeye facility is old and

rundown-looking, compared to its spar-kling new commercial complex in Majuro. Ramsey explains that "until the expansion plan is realized, we can't spend too much (money) in the facility."
It is uncertain at this point whether RRE will expand on its current lot, which is close by the dock, or it will move to a

Despite the uncertainty surrounding the expansion, Ebeye Grocery Manager Bob Jones said he sees people's cating habits changing, and the store changing with them. He is selling more fresh produce than before, and he said that in the past, the Ebeye store just sold frozen chicken and turkey parts. But now, people want a whole selection of steaks, bacon and other meats. The problem, he said, is having the freezer and cooler space in the cramped facility to meet the demand.

Space on Ebeye is at a premium, and RRE's Ebeye Manager James Kabua points out that the store doesn't even have the space to house a standby gener-ator in case the power goes out, although he said the power is now extremely reliable, since the opening of the island's new power plant in 1987.

Francis Reimers said that the company is open to the ideas of the Kwajalein Atoll Development Authority, which is overseeing development plans on the island.
"We'd like them to get the business community together to help with the development plans," he said.

Ramsey said that businesspeople should not limit their thinking to Ebeye. Instead, they should look at opportunities around the atoll. He pointed to the Marshallese communities at Ebadon and Mejato in the western corner of the atoll; and the American community at Roi-



Namur and a Marshallese village at Third Island, near Roi-Namer. A new consmunity is being developed on Gugcegue Island, and where the population is, RRE wants to be, said Ramsey. We're inter-ested in setting up a mini-convenience store on Gugeegue in the future," said

## Robert Reimers: 40 Years of Success

by Giff Johanne Robert Reimers Enterprises is the big business in the Marshall Islands, and it's getting bigger. But despite the meteoric rise of RRE, the man behind it maintains his own down to earth manner. Robert Reigners turned 80 last October, which is twice the age of his business, which celebrates its anniversary in April.

The family-owned business is the largest employer of Marshallese after the government, with an estimated 500 workers. It has retail, wholesale and Acc Handware stores in Majuro and Ebeve: operates gas stations, a "Water Man" and a NAPA auto parts franchise; is the agent for Matson, NYK and Pacific Forum Lines; owns the island's classicst hotel and restaurant, rents office space in two commercial centers, and operates stores on two outer stolls Kili and Jaluit.

Robert Reimers is now officially retired, leaving the day-to-day operations to his sons and daughter, and a team of American and New Zealand managers. Most days, he can be found wandering through the stores chatting with employees, or socializing with friends outside the post office or the RRE "deli" over a cup of coffee. Reimers, in his modest, low-key way, says: "I like to make friends with people. That's my way of life." And a manner that has made the business a success story.

Beginning: Reimers got his start in business shortly after the end of World War II, when the U.S. Navy brought him to Kwajalein to operate a boat repair and maintenance shop for the outer lying atolls. He used the boat repair operation as a stepping stone for launching a retail business for islanders living on isolated. and infrequently serviced atolls. In 1951. he moved to Majoro to run a similar boat servicing operation for the Navy. But he found Marshallese customs made it virtually impossible to collect close to \$80,000 in outstanding repair bills. 50 he got out of the boat business and concentrated on retailing consumer goods.

His first Majoro store was in Delap. Reimers laughs when he recalls that he started with just two other employees to assist him and his wife. At that time, there was just a handful of small "mom and pop" type stores on the island. The bigpest store was the U.S. Government's Island Trading Company, which had little more than basic food staples in stock.

So Reimers says that in addition to food, he began stocking a range of items

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In the early 1960s, Reimers moved the store to Uliga, its present location. But it was little more than a hole-in-the-wall, with Reimers and his family living in the back, "When we moved to Uliga, it was a very small store," he recalls. "We were living in the other side of the building."

Reimers built his reputation in large part upon his company's service to the



Robert Reimers: The man behind the

outer island communities. During the 1960s, his company operated five boats which went from island to island picking up copra in exchange for food and other goods. RRE no longer operates a fleet of ships, and last year, ended years of service aboard government field vessels. saying that it could not afford the losses

from pilferage, pests and related damage. Reimers credits Powell Mikkelsen, who managed the store from the mid-1960s to 1972, and Ron Levy, who took over in 1972 until his death in 1985, with having the skills and business sense that helped the company become the largest homegrown business in the Marshallsand one of the largest in all of

(Continued on page 58)



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INTERCONTINENTAL

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WR314 (cont.)

## Special Report: 'The Reconstruction of Ebeye'

#### 40 Years of Success...

(Continued from page 57)

Competition: It was the opening of Gibson's store on Majuro in 1984 which launched RRE on a long-term, multi-million-dollar investment in renovation and expansion that will continue well into the 1990s. The nonstop expansion resulted in the opening of renovated retail and wholesale stores, and the new Ace Hardware, hotel, restaurant and commercial center complex. The new facilities have been built on filled land. With dredge and fill, RRE has added several acres to its lagoon-front property, and plans a small boat marina adjacent to its second-story hotel.

Gibson's was the first company that could compete on RRE's level. Prior to its opening in 1984, there was little in the way of merchandising or competitive sales. In the last five years, sales, special promotions and a much wider selection of goods have become available in Majuro stores. And there's not just competition between RRE and Gibson's. The competitive spirit has also infected the mid-level businesses, most of which have renovated and expanded.

Reimers' dream for many years, he says, was to see Majuro develop and grow, and his store to be at the forefront of that growth. Though he has more than achieved his goal, Reimers says the company will continue expanding to meet the demands of the community. The next project will be a small boat marina with a pier-side gas station so fishermen can save time by gassing up their boats in the

An important outcome of the RRE expansion program is the substantial investment in the local economy. Many Marshallese have been employed on RRE construction projects, while dozens of new jobs have been created in the Majuro, Ebeye, Kili and Jaluit stores.

Through all, Robert Reimers has never lost his common touch with friends and customers. He remembers the people who helped him reach the milestone of 40 years of business operations-and that personality has made Robert Reimers a Marshall Islands success story.

## Gibson's Sees Major Ebeye **Shopping Center**

by Giff Johnson

"What's happened the last few years on Ebeye and what's going to happen in the next few years is dramatic," said Gibson's Majuro Manager John Smith. "Ebeye," he said, "is quickly moving from the 'slum of the Pacific to the show place of the Pacific. And Gibson's wants to be a part of the development."

The Guam- and Honolulu-based com-pany has proposed establishing the small island's first major shopping complex that would include a grocery and

hardware store, restaurant, hotel and commercial office and store space.

Until recently, Ebeye has basically been a one-store town, with Robert Reimers Enterprises having the largest retail and wholesale facility. Gibson's put a foot in the Ebeye market by opening up a small, 1,200-square-foot clothing shop in November 1988. "We're very pleased with the response people have shown to our little store," said Smith, who has lived in the Marshalls for more

Gibson's Ebeye Store Manager Katina Anjen agrees. She said they have been able to lower prices on clothing by ordering direct from U.S. suppliers, and this has attracted new customers. Although the store has space only for clothes and sundries, she said she receives special orders for many food and other items which Gibson's ships in for its cusiomers.

"Gibson's didn't come just to service Majuro, it wants to serve all the islands, Smith said. "Now we're moving in that direction.

He indicated that Gibson's is eyeing the possibility of a \$5-million to \$10-million investment in an Ebeye shopping complex that would take about two years to complete. Asked whether Ebeye's population of about 8,500 can support two major stores, Smith said: "Everyone asked that in Majuro when Gibson's opened in 1984. But it made all the retail stores better. Businesses in Majuro are prospering. Majuro has shown that it can support two very large businesses and several mid-sized ones. Ebeye won't have any trouble with the addition of another big one."

Smith also believes that there is a largely untapped market of Americans living at the Kwajalein base. There are about 3,000 Americans at Kwajalein, just three miles—and 10 minutes away by Army ferries-which run a dozen times a day between the two islands.

"The shopping facilities on Kwajalein are very limited," said Smith. "If Ebeye had a good shopping center, it would bring interest from Kwajalein residents. which would result in more exposure to Ebeve and better relations (between the two communities)."

A master lease, giving the Kwajalein Atoll Development Authority control of most of Ebeye's 76 acres was signed recently. Smith believes it paves the way for business expansion on the island.



Gibson's opened a small store on Ebeys in 1985 and is now eyeing

by Giff Johnson

Proving that two large wholesale stores can prosper on Ebeye, Triple J manager Sam Bellu said that since the store opened three years ago, sales have more than doubled. Triple J was brought into Ebeye by local development officials with a very specific mission of providing wholesale competition with Robert Reimers Enterprises, then the only large wholesaler on the island.

Triple J works under contract with the Kwajalein' Atoll Development Authority. It leases the island's only true warehouse and container yard from KADA.

Bellu said he hears people complaining that prices on Ebeye are always higher than Majuro. But he said it's not true. "People say that on Ebeye products cost more, but I can't find that it's true," he said. Triple J's prices, he claims, are in many cases 40 percent less than Majuro. To underscore his point, he said that some people living in Majuro order electronic equipment from him.

In addition to selling a variety of TVs, stereos and furniture, Triple J also cuts and packages meat for retail sale in its butcher shop at the back of the large warehouse. The company handled cargo sales aboard several Marshall Islands Government field trip ships that service isolated outer island communities, but ended the service because of difficulties with scheduling the ships.

with scheduling the ships.

Would Triple J like to expand into a cetail operation on Ebeye? Bellu said it is being considered by the store's Guam management. Right now, the company is happy servicing the more than 80 Ebeye

Dusinesses.

Triple I's controller, Bill Bezzant, observed that the total volume of wholesale trade on Ebeye has gone up since Triple I opened three years ago, with a number of small "morn and pop" businesses

Bezzant and Bellu both see positive marketing and price trends in the wholesale market.



Fountain and Ann Inok have big plans for expanding their seven-room hotel on Ebeye's lagoon side.

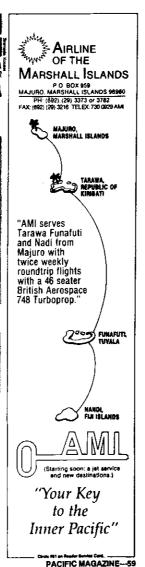
## Anrohasa Hotel Eyes Expanding on Ebeye

by Giff Johnson

It used to be that if you didn't have friends on Ebeye, there was no place to stay. Local government and Kwajalein Atoll Development Authorities officials were hard-pressed to find beds for visiting engineers, architects and businessmen.

But that's beginning to change, with a number of small businesses opening hotel accommodations. Fountain and Ann lnok opened the Antohasa Hotel (the name is taken from the initials of their four children) earlier this year, and its difficult to find a room unless you make reservations weeks in advance. In

(Continued on page 60)



#### Special Report: "The Reconstruction of Ebeye"

#### Anrohasa Hotel...

(Continued from page 59)

addition, Atidrik Maie's hotel also offers several rooms, and Rudy and Irene Paul are soon to open a new hotel on the island.

Like most Ebeye businesses and homes, the Anrohasa is small. The Inoks went to a second-story to fit in more rooms, and currently offer seven. The rooms are small, but smartly furnished with carpeting, framed paintings, a refrigerator, a television (with satellitelive reception) and a desk and chair.

Downstairs, is the Inoks' Ebeye version of a family restaurant. Customers squeeze in shoulder-to-shoulder on a bench around an L-shaped counter. It was built for about 6, but most frequently, has about 10 customers in the popular spot.

spot.

The Inoks have big plans for a 20-room addition, first-class restaurant and a bar. They are applying for a loan from the Marshall Islands Development Bank to finance the project, which would be connected to the current botel and built out over newly filled land on the lagoon.

But, despite their plans for major improvements, all the lnoks' customers tell them they have to keep the small restaurant, because they like it so much.

The Anrohasa Hotel is a homely affair, with both Fountain and Ann frequently there to catch up on the latest news over a cup of coffee and a freshly baked turnover or sweet roll. Ann handles the day-lo-day operations of the hotel and res-

taurant, as Fountain, a Kwajalein Atoli Development Authority executive committee member, is frequently off-island on KADA business.

The lines started with a retail grocery store, then expanded with a bundromat. Now, only the hundromat remains. "We gave up on the store because of problems with credit," they explained.

But the lotel and restaurant are more than enough, as the Inoks look to major expansion in the new future. Il

## LaBobby's is Ebeye's Most Popular Eatery

by Giff Johnson

LaBobby's Restaurant has developed into one of Elecye's most frequented enting spots in the year since it opened. The modern decor, combined with a wide range of offerings on the mean, including a quick take-out service, makes the restaurant a paccetter on this tiny island.

tiny island.

Bobby Launing operated the popular Islander Disco for eight years before closing up the nightche and moving into the restaurant business. But he hasn't looked

Lampy said he became less and less happy with the nightchib business the longer he was running it. "The disco makes good money, but I wasn't happy doing it." he said. "My friends said I was crazy to close the disco. But I said I know exactly what I'm doing."

A year later, he doesn't regret his decision. "I'm fresh in the morning, and I don't have to deal with drunks," he said.

Like many small businesspeople on Deye, Lamug has expansion plans. He is currently recruiting a pastry baker from overseas, and plans the addition of a second kitchen to help the staff handle the heavy weekend catering and restaurant load. One recent Friday, LaBobby's catered for more than 500 customers at three separate parties, while serving dinner to customers in the normally busy perstaurant.

Larrug said that in addition to expanding the kitchen and opening a bakery, he intends to turn the old disco building into a "fun factory" areade for the entire fami-

LaBobby's is not only a favorite cating

spot for Ebeye residents. He said he has many customers who come over from the Army base at Kwajalein to eat at the restaurant. "The Americans can tell the difference in our hamburgers," he said. "That's because we make our own paties." The biggest difficulty he has is keeping a supply of fresh produce in stock, but regularly serves green salad with meals.



LaBobby's Restaurant is one of the exact papular eating spots on the Island.

#### Special Report: 'The Reconstruction of Ebeye'

#### Interview

## **Carleton Hawpe:** Ebeye's **Architect**

Architect Carleton Hawpe is no stranger to the Marshall Islands. After graduating with a degree in architecture from the University of Virginia in 1966, he joined the first group of Peace Corps volunteers in the Marshall Islands.

Hawpe has had a hand in designing many of Majuro's most notable public and private facilities, including the museum/library complex, an earlier version of the Nauru Eastern Gateway Hotel and the Robert Reimers Enterprises post office/commercial complex.

After living in the Marshalls for 14 years, he and his family moved to Hawaii in 1979. Initially, he worked with Franklin Gray & Associates of Honolulu, and began regular commutes to the Marshalls.

In 1984, he launched his own architecture firm-Carlton Hawpe & Associates. Since then, Hawpe has been a consultant with the Kwajalein Atoll Development Authority. In addition to spending about 80 percent of his time on the Ebeye development work, he has designed elementary schools and a high school cafetorium for the Marshall Islands Government.

by Giff Johnson
PACIFIC MAGAZINE: Ebeve, with 8.500 people living on 76 acres of land, has long been known as the "slum of the Pacific." In a nutshell, what was the island like 10 years ago?

HAWPE: Ebeye hit bottom in 1979, when virtually all of its utility systems ceased to function. Sewage was backing up into people's homes because the sewer lines had collapsed, the power was out half the time, and there was no fresh water, except what was barged in from

Kwajalein three times a week. The morale of the community, as you can imagine, was totally falling apart.

PACIFIC MAGAZINE: Can you compare that with the situation on Ebeye Island today?

HAWPE: While there is still a long way to go toward improvement, the people's mood is very upbeat. A lot has been



#### Carleton Hewpe

accomplished in the last five years. A new electric power/water desalinization plant was built in 1985 which now provides not only reliable power, but 200,000 gallons of fresh water daily as The sewers have been rebuilt and the

system expanded. The electrical distribution system has been rebuilt. The road, which used to be either a continuous mud puddle or a dust bowl, depending on the time of year, has been paved and there is now a sidewalk around the entire island. Atoll Development Authority (KADA)

In other words, what the Kwaialein has done initially is to reestablish an operating infrastructure for the island, so that it can function as an urban comPACIFIC MAGAZINE: You've been involved in architectural and design work in the Marshall Islands for many years, but it must be a special challenge to translate into action the development authority's plan for completely redesigning Ebeye. Is that true?

HAWPE: It has been an interesting challenge. At first glance, you would think the problem is fairly simple to define and therefore solve. After all, Ebeye is only a mile long and 750 feet wide, so it's pretty finite. But when you walk around the island and see how overcrowded it is and how many kids there are everywhere, you realize the depth of the problem.

It goes beyond merely trying to establish a minimally comfortable living environment. Health problems were and still are, to some extent, intolerable. Social problems can only get worse, considering that over 60 percent of the population is under the age of 15. There isn't even a public high school yet on the island, and the elementary schools are not large enough or well enough equipped to accommodate everyone.

So, the design of a better community physically is the easiest part really. It's the challenge of how to positively affect the social conditions that will count in the

PACIFIC MAGAZINE: As you got involved in redesigning the whole atoll or island structure, how did it differ from your earlier experiences in Majuro?

HAWPE: Rarely is the opportunity presented-at least in the Pacific islands—to affect the design of an entire community so completely. That's not to say that many master plans have not been written for the various communities there. Ebeye alone has had at least three written in the past 25 years.

But almost always, these documents end up on the shelf collecting dust, and no one ever bothers to pay any attention to them. In Ebeye's case this time, the master planning has included carrying through from conceptual planning to actual implementation of the program, not just the writing of the original document. It's been an interesting exercise. Not only in designing structures, but in working with the KADA board and other staff members in creating development policies, establishing project priorities (Continued on page 62)

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#### WR314 (cont.)

### Special Report: 'The Reconstruction of Ebeye

#### Carleton Hawpe...

(Continued from page 61)

and budgets; finding sources of money in Washington and elsewhere; initiating projects: then being involved in managing the execution of projects to the end. It makes for a very comprehensive experience

PACIFIC MAGAZINE: Do you think that the real changes are over, or is it possible that the most interesting development is just beginning?

HAWPE: Just beginning. Up to now, and until the new port develop causeway are completed, KADA has really just established the infrastructural platform necessary to support real development. The community is essentially a bedroom community for Marshallese employed at the missile range (USAKA), with only a very basic sector comprised of a few retail stores, bars and restaurants.

It is presently a good 10 years behind Majuro in private sector development. But that's not to say it will take another 10 years to catch up, or even go ahead of Majuro. Now that "things work," KADA has had people coming to it with development proposals. In the past, it was just the opposit

In 1985, when KADA put out a request for proposals to run a wholesale operation out of a new government warehouse



Dredging is well underway for the new dock area at Ebeye. When completed, the project will add two to three more acres to the stoll.

to stimulate competition on the island, there were only two parties interested. But one of the companies that withdrew then is now interested in building an entire shopping center on Ebeye, if the land can be made available. Quite a reversal in a mere three years.

There are other local merchants ready to build hotels and small shopping complexes, if financing can be arranged. We've got potential interest, believe it or not, in tourism at Kwajalein in special-ized sectors like diving and sport fishing. KADA is sponsoring some studies in this area. The authority is also sponsoring a giant clam project and is getting ready to establish a hydroponic garden on Kwajalein Island, with the hope of raising vegetables for the American community market there. KADA also has plans to develop a fisherman's marina and support facilities to encourage commercial fishing as a local industry.

So even though the community will continue to remain heavily dependent on Kwaialein for jobs-after all, USAKA is it's most valuable resource-there is an effort being made to diversify and expand the economy beyond its present

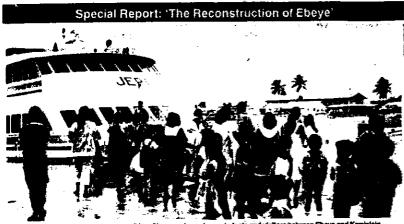
PACIFIC MAGAZINE: Is the upbeat business attitude much of a turnaround from years past?

HAWPE: It certainly is. Up until three years ago. Robert Reimers Enterprises (RRE) was the only store that was commercially significant. The first time there was real competition established was when the warehouse I mentioned was leased by KADA to Triple I out of Guarn to establish a wholesale outlet that competed directly with RRE.

Prices to consumers on the island have come down a bit as a result. Recently, Gibson's established a store and hopes to expand, and there will be a new company-Central Pacific Traders-establishing a wholesale operation on Ebeye and a retail store on Gugeegue in the first quarter of 1990. Once there is more variety of products available, I also think you will see that Americans from USAKA will begin to make shopping



Workers lay blacktop along Ebeys's main road, which was a dust bowl in dry westher or a mud puddle during the raining sesson. A new sidewalk around the entire Island



The U.S. Army's new catamaren, *"Jere,"* transports workers, students and visitors between Ebeye and Kwajalein

trips to Ebeye. That's a whole new market for the community that hasn't been tapped yet.

But the key to whether this economic growth will be sustainable on Ebeye, is the status of USAKA. Over the past several years, the operations there have been intensified because of several SDI (Star Wars) research programs and the MX missile testing program, both of which may be cut back with the lessening of tensions in the cold war.

If USAKA does cut back as a result, then there will be many jobs lost to Ebeye residents. If that happens, there is small chance that very many people would leave the island to search elsewhere for jobs, except to a certain degree. That is one reason why the leadership is trying to look at ways to diversify the economy. If would be nice to see Ebeye remain a viable community, even with a scaled-

PACIFIC MAGAZINE: KADA has been instrumental in directing the development changestaking place. Why has it been able to be as effective as it has been?

HAWPE: Kwajalein has a very strong leadership—both traditional and elected. This leadership also happens to comprise the seven-member board of directors of KADA. The chairman is Sen. Imata Kabua, who is also the Iroij (traditional chief) for Kwajalein. Not only does he

represent all landowners on the islands, but as a member of the Nitijela—the national legislature—the also pushes for KADA programs there

KADA programs there.

The mayor of the Kwajalein Atoll Local Government (KALGov), Alvis Jacklick, is also on the board, and makes sure KADA projects, once completed, are operating and maintained by the local government.

The chairman of the KADA executive committee is Justin DeBrum, who, as the Republic of the Marshall Islands representative, makes sure that KADA programs are in keeping with RMI policies. There is also Fountain Inolk, who is president of the Ebeye Chamber of Commerce; Handel Dribo and Atlidrik Maie, two prominent senior landowners, and Sen. Hermios Kibon, also of the Nititlela.

There has always been a fairly strong consensus by the board on bow to proceed with development of the community, and given the statute of the members, these policies can be implemented with strong community support.

In addition, the board has sought professional personnel for its staff. The executive director, Jeban Riklon, is also a member of the KALGov Council, and intimately knowledgeable of all the local politics.

The technical staff was picked up for their experience, and the entire group both board and staff—have always prided themselves for being able to work as a team, even though some of the staff are rather spread out. Actually, this has its advantages. The legal counsel, Scott Stege, is in Majuro and can coordinate with the National Government there. Frank Solomon is the Washington liaison, and is responsible for keeping those in the U.S. Congress and federal agencies apprised of our programs. And I am in Honolulu, where most of the schwical resources we use are located.

We then have a construction management division located on Ebeye, managed by Max Howard, and a recently hired accountant, David Blake, from California. We have also had the strong support of a Guam contractor—International Bridge and Construction—who has stayed mobilized at Ebeye over the past six years, and performs the majority of the construction projects there.

I think the combination of the strong leadership and the expertise of the staff and consultants has provided the basis for a successful program. It should also be mentioned that the effort itself is a worthwhile one, and therefore, lends itself to its fair share of outside cooperation.

PACIFIC MAGAZINE: RADA seems to be Ebeye's leaders. Are they the ones who started the development program going?

(Continued on page 64)

PACIFIC MAGAZINE-63

#### WR314 (cont.)

#### Special Report The Reconstruction of Ebeye'

#### Carleton Hawpe...

(Continued from page 63)

HAWPE: Exactly. In fact, the whole effort would over have gotten started, had not Sen. Kabua reacted to the total collapse of the infrastructure in 1978, which we talked about earlier. It was his frustration with the utter neglect of the community by the line Trust Territory Government and the military, that he organized the leadership of Kwajalein, hired high-powered legal counsel and went after the U.S. Government.

After years of confrontation, sit-ins and finally, negotiations, agreement was reached on what was reasonable compensation for use of Kwajalein by the U.S. for the missile range. As part of this compensation, \$3 million a year was earmarked for community development, and the Kwajalein Atoll Development Authority was established to administer this program. So the leaders themselves not only got the whole process started, they continue to direct its actions.

PACIFIC MAGAZINE: In early 1988, Tropical Storm Roy devastated Ebeys. Proving every gray cloud has a silver lining, KADA turned the disaster to the advantage of the Ebeys community. How was this accomplished?

HAWPE: With considerable difficulty. First, we had to convince the Federal Emergency Management Agency (FEMA), which is the federal agency that assists with disaster recovery, that it was KADA they should deal with as the appropriate RMI agency involved. FEMA would have preferred to move in. throw up temporary replacement homes quickly on the sites of the destroyed homes, and get out. KADA in turn. felt that to do this would only exacerbate the overcrowding and uncontrolled development

With the help of President Kabua, we were able to persuade FEMA to first of all, accept a house design slightly above their normal standard but which, as a two-story duplex, was more appropriate Gugeegue.

to development on small, crowded islands. We then proposed to build a landfill area for new housing and also build infrastructures on Gugeegue to accommodate housing there. By locating the new housing in these

By locating the new housing in these planned developments, rather than putting them all back on Ebeye, we were able to reduce the density on Ebeye somewhat and provide very nice sites for the new homes. To accomplish this, KADA had to reprogram and solicit funds to build the landfill, roads, a new power line over the reef to Gugeegue, and water and sewage systems on Guerepue at a cost of more than \$3 mil-



e FEMA-funded duplexes are the center of the planned community on Ebeye's



The recently completed Cheye Elementary School contains eight classrooms and in the first phase of rabulding. Evenually, the school will include two more buildings. The first high actional for Eleays is in the pleaning stages.

lion. In addition, FEMA insisted that any improvements in the housing design over and above what they normally provide would have to be at KADA and RMI expense.

In all though, there are now 79 new housing units on planned sites that represent the first step toward organized housing development.

PACIFIC MAGAZINE: Building the Ebeps-to-Gugergue causeway has been on the drawing board since day-one as the centerpiece for change on Kwajalein. Yet title has been done to Acte Hen; important is it?

HAWPE: It's still the crucial missing link. In 1983, there was a debate on whether to build the power plant or the causeway first. It was decided that the power plant was more critical at that time, because the existing power plant

(Continued on page 66)

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install sewers there.

The Economic Development Agency

#### Carleton Hawpe...

(Continued from page 64)

was failing, and the idea of building the desalinization feature into the new plant would provide much needed fresh water I think it was the only choice.

Unfortunately, because both projects cost about \$13 million each, by the time we had funded the first one, there wasn't enough money around to do the second one. The funds used for the disaster recovery program could have gone toward the causeway, had not they been preempted by the recovery effort. After this year, we have to put the majority of the development funds into building a new dock, since the existing one collapsed. So we are still trying to find a suitable way to finance and build the causeway. Without it, the community will never be able to develop as a unit, or

with any efficiency.
For the interim, USAKA is extending its ferry boat service to Gugeegue for two trips a day, so that workers there can get back and fourth. But this obviously does not take the place of a direct link to Ebeye, where all the community services and facilities now are, especially once Gugeegue grows beyond the initial 300 residents to its planned population of about 3,000.

Through the RMI Ministry of Foreign Affairs, we have requested an aid grant from the Japanese Government, and we certainly hope that might be forthcoming. Otherwise, we may have to look to financing, which would effectively double the cost and thereby cut the amount of funds available for the many other projects that are needed.

A third alternative would be to build a less protected and much less expensive roadway over the reef, but this would run the hazard of being washed out in storms.

PACIFIC MAGAZINE: What other U.S. agencies have been supportive of the development work on Kwajalein

HAWPE: The Environmental Protection Agency has given major grants to upgrade the Ebeye sewer system and participated in the recent Gugeegue development with a \$600,000 grant to

has awarded KADA a grant of \$1 million toward the cost of building a new dock. which is projected to cost about \$5 mil-

#### WR314 (cont.)

lion. We are also applying to the Rural Electrification Administration for a lowinterest loan to fund the power line that runs between Ebeve and Gugeegue, but that has yet to come through.

FEMA, of course, was a great help. because of their disaster assistance involvement. In addition, the Office of Economic Adjustment at the Department of Defense has given technical support. We are still hopeful that the Federal Housing Administration will one day open an office in the Marshalls so that we may take advantage of their low-cost housing grant and loan programs, but that has yet to happen.

PACIFIC MAGAZINE: 10 years ago, things were pretty bad on Ebeye. The U.S. Government wasn't very interested in the atoll. Why is it now supporting development work at Kwajalein?

HAWPE: There are two reasons, I think First, the military saw an impact to their mission if the Ebeye community was hostile to their presence. In the past, the Army pretty much ignored the conditions on Ebeye, stating that it was the problem of the Trust Territory Govern-

They never had any problems with the community until the early 1980s, when the sit-ins and demonstrations were implemented by the Kwajalein landowners, which began disrupting the Army's mis-sion. I think they have learned you can catch more flies with honey than with vinegar.

Secondly, I believe the U.S. has seen the measure of success on Ebeye as a result of the land payment settlements and the subsequent establishment of KADA and KALGov. It is to their benefit to be associated with and take some of the credit for this success.

PACIFIC MAGAZINE: Besides federal agencies, where's the money coming from?

HAWPE: First, there is the annual Compact Funding from the U.S. that KADA receives as part of the settlement for use of the missile range. This began in 1984 as a \$2.8 million annual payment. It has an inflation factor built in so that this year, for instance, it amounts to about \$3.4 million. This is a guaranteed payment for 15 years, the length of the Comnact. Unfortunately, its not enough to do (Continued on page 68)

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68-JANUARY/FEBRUARY 1990

#### Carleton Hawpe...

(Continued from page 67) the job, especially since it's spread out

ideally, the major development programs should be completed in the first eight years of the plan, in order to gain the most impact. However, this is not possible with the payment spread out. We could, and probably will, borrow against these funds, but while that gets the projects done faster, it halves the number we can accomplish because half of the money will go to interest on the

So our strategy up to now has been to lobby the U.S. Congress for specific and pressing needs, as well as seek funding from the federal agencies. We have been turned down a number of times, but also received \$1 million towards the causeway and hopefully, \$2 million this year towards the new port project.
We have received funds from the RMI

for an eight-classroom building for the Ebeye Elementary School, and hope to get further financial support from them for a much-needed high school facility.

We are also seeking possible loans from banks and looking into the feasibility of a bond issue.

PACIFIC MAGAZINE: Kwajalein leaders point to Gugeegue and Ebeye as models of development progress. But realistically, it will still be many years before overcrowding is relieved to a satisfactory extent and living standards improved to an acceptable level. Is that a very distant goal?

HAWPE: I don't think we will ever completely solve the problems of overcrowding on Ebeye. We can belp control future development so that it can accommodate growth in a more orderly way and thereby help mitigate the health and environmental problems associated with overcrowding. But the fact is, there is only so much room to expand in and, with the highest buthrate in the world. the population pressures are just too great for the foreseeable future.

I do anticipate that the population rate will start to taper off in the next 10 years or so, but not enough to have much effect. If USAKA cuts back its operations to a caretaker status, that would affect employment, and there could be some out-migration as a result.

#### WR314 (cont.)

But other than that, all the projections point to growth that will outsinp the resources we have identified. So, it will be an uphill hattle all the way. We can only hope that orderly growth will occur. and the living standards of the society will improve to the point where the community, although crowded, will at least be a tolerable and pleasant place to live.

PACIFIC MAGAZINE: In terms of urban development, does Ebeye have any lessons for other Pacific islands?

HAWPE; I think all the island community centers should realize that planning is an important tool. That it isn't a pretty picture of what the future might be. but a day-to-day process that allows a community to knowingly chart its course into the future with a clear idea of where that course will take them.

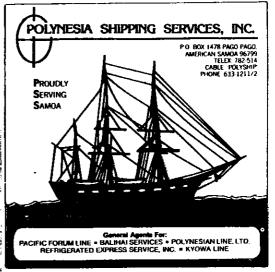
But the past experience of Ebeye, with its long years of uncontrolled growth and government neglect, shows what can happen to any of the communities if the leaders are not farseeing and careful with how they control progress.

In a more practical sense, the leaders of Ebeye have a clear vision of what they want to accomplish, and they are a small enough group to be able to work together to get it done. This seems to be more difficult to accomplish at a national level, because of the extended government bureaucracies which, because of their size and complexity, tend to dilute the control, and make problem-solving more

PACIFIC MAGAZINE: As an architect, what do you find most chal-lenging about the development activity

HAWPE: From an architectural standpoint, designing buildings that stand up-not only to tropical elements-but to the acute vandalism which results from so many kids on the

More generally, it's being involved in all aspects of the program, from prioritizing projects, to seeking funding, through design and construction to final operations. Many times, its very frustrating to have to forego worthwhile and important projects because of lack of funding. The challenge comes though, in solving these kinds of dilemmas. ■



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PACIFIC MAGAZINE-69

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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dangerous program. We do not need these
added stresses on are environment!

Name Barbara P Stuart

Address P.O. Box 267 Handlei - HI - 96714

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WR316

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#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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Please hand this form in or mail by April 13, 1992 to: Deputy Commander

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2-265

WR317

P. D. Box 321 Lawre Kaner Haware april 1, 1992

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Respectfully,

La Rae Schutt P.O. Box 327 Lawai, HI 96765 WR318



The Rev. Kekupa P.K. Lee

Mrs. Sachi Fakuda Secretary Mr. Milton K. Yee

Dr. Randall Y. Farmbles

The Rev. Jana C. Ishibashi Director, Resource Center

Mr. Steve Eto

James P. Merschen

HAWAII CONFERENCE

#### UNITED CHURCH OF CHRIST

April 13, 1992

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TO:

Deputy Commander

U.S. Army Strategic Defense Command

FROM:

Board of Directors of the

Hawaii Conference United Church of Christ

STRATEGIC TARGET SYSTEM DRAFT EIS SUBJECT:

The referenced document was brought to the attention of the Board of Directors of the Hawaii Conference of the United Church of Christ by its Micronesia Committee at the scheduled meeting of April 11, 1992. The imminent deadline for response to the U.S. Army Strategic Defense Command (postmark by April 13, 1992) precludes a comprehensive response by this Board. However, on the basis of the project description provided by the DEIS, the following specific concerns were expressed:

- What safeguards have been put into place to protect people in the downrange impact zone in the event of a hazardous situation developing in the course of an operation.
- Given the increasing concern over the decline in protective ozone layer dimensions, particularly over the Pacific area as a residual consequence of the Pinatubo eruption, we are concerned about plans to release freon (CFC's) in the upper atmosphere during missile flights.
- Pursuant to the National Environmental Policy Act (NEPA), consultation with potentially affected parties is required. In view of potential health, safety, and socioeconomic impacts on people of the Republic of the Marshall Islands.
  - Has the U.S.A.D.C. specifically consulted with the Marshallese general public?
  - If so, how has this consultation been implemented? (i.e., Have public notices scoping meetings been conducted in the Marshallese language?)

We suggest that issues raised in this meeting be considered as formal public commentary pursuant to NEPA, and we request a response to these specific

Your conscientions consideration in this matter will be much appreciated.

NWJ:KL:mgr

Conference Minister

15 Craigaide Place, Houelalu, Hawaii 96817 = (808) 537-9516 = FAX: (808) 521-7196

2-2

LISA CERVANTES P.O. Box 2050 Lihue, HI 96766

April 10, 1992

Deputy Commander U.S. ARMY STRATEGIC DEFENSE COMMAND, CSSD-EN-V (D. Gallien) P.O. Box 1500 Huntsville, AL 358-7-3801

Attn: Henry Cooper

To Mr. Gallien and Mr. Cooper:

I sincerely hope that you do not view mine and other Kauaian's comments as thoughts that do not really matter. I truly hope and pray with all my heart that you open your minds to the ways in which others see things.

I realize that you have been trained (and trained well) for many years, whether you were trained by military or some other method and through that were led to believe that SDI can and will work, with the proper testing, technological advances and research.

I have examined books, articles and literature on both sides of the national SDI issue, and have concluded that SDI will fail because:

- 1. Its nuclear strategy is deficient in failing to recognize bomber aircraft, cruise missiles and smuggled warheads. It requires 87 launch sites to be operational, one of which is not yet even in existence.
- Economically, its main beneficiaries are arms producers, dreamy scientists and top officials, like you, Mr. Cooper, while the hirelings (work force) are fed crumbs from your table.
- 3. With the Soviets in chaos, we know the Middle East will be our next so-called threat. Americans, military and otherwise; however, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying them into war.

You have provided a DEIS and informational literature supporting SDI on Kauai and have listed four major areas that will affect the decision to go forward with the program here or not.

On behalf of Kauai, it has been evident through the public hearings "granted" to us by the Army, the media, and County public forums and hearings, that over 70% of Kauai's population is opposed to this testing in the your stated four major areas:

WR319 (cont.)

#### Environment:

- \* Kauai's ozone is depleted by 10% at present. Releasing hydrazine, nitrogen teroxide and other rocket fuels into the air is foolhardy.
- \* The Marshall islanders oppression is a national embarrassment, and should be reversed THIS MINUTE!

#### Technical:

The Army's DEIS makes NO assurances with regard to public safety or safety of the missiles themselves. Are we to believe there will be no "significant" impact simply because THE ARMY SAYS SO? Why should anyone believe THAT???

#### Economics:

\* Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Mission Requirements:

> \* What law says you can use Hawaiian lands, bully the State into granting Stars access, and rip-off the taxpayers year after year? If we have any VOICE at all, hear our questions!

We urge you to LISTEN to the VOICES of reason and reality. We pay taxes all our lives and would truly rather see a world without suffering, even if the military needs to work in the streets with the war on drugs and povert. Send their scientists and technological advances to clean e filthy environment. We need disciplined, fresh, intelligent ands not for war toys but for world health.

Keep our military for our protection, at airports and other city centers where terroristic games create real threats to public safety. Don't forget who appened to Argentina just this year.

I am proud to be on record for OPPOSING SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someway, THIS DAY, make a difference!

AS SINCERE AS I CAN BE,

Lisa Cervantes

WR320

JESSE CERVANTES P.O. Box 2050 Lihue, HI 96766

April 10, 1992

Deputy Commander U.S. ARMY STRATEGIC DEFENSE COMMAND, CSSD-EN-V (D. Gallien) P.O. Box 1500 Huntsville, AL 358-7-3801

Attn: Henry Cooper

To Mr. Gallien and Mr. Cooper:

I sincerely hope that you do not view mine and other Kauaian's Comments as thoughts that do not really matter. I truly hope and pray with all my heart that you open your minds to the ways in which others see things.

- I realize that you have been trained (and trained well) for many years, whether you were trained by military or some other method and through that were led to believe that SDI can and will work, with the proper testing, technological advances and research.
- I have examined books, articles and literature on both sides of the national SDI issue, and have concluded that SDI will fail because:
- 1. Its nuclear strategy is deficient in failing to recognize bomber aircraft, cruise missiles and sauggled warheads. It requires 87 launch sites to be operational, one of which is not yet even in existence.
- Economically, its main beneficiaries are arms producers, dreamy scientists and top officials, like you, Mr. Cooper, while the hirelings (work force) are fed crumbs from your table.
- 3. With the Soviets in chaos, we know the Middle East will be our next so-called threat. Americans, military and otherwise; however, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying them into war.

You have provided a DEIS and informational literature supporting SDI on Kauai and have listed four major areas that will affect the decision to go forward with the program here or not.

On behalf of Kauai, it has been evident through the public hearings "granted" to us by the Army, the media, and County public forums and hearings, that over 70% of Kauai's population is opposed to this testing in the your stated four major areas:

WR326 (cont.)

#### Environment:

- \* Kauai's osone is depleted by 10% at present. Releasing hydrasine, nitrogen teroxide and other rocket fuels into the air is foolhardy.
- \* The Marshall islanders oppression is a national embarrassment, and should be reversed THIS MINUTE:

#### Technical:

The Army's DEIS makes HO assurances with regard to public safety or safety of the missiles them-selves. Are we to believe there will be no "significant" impact simply because THE ARMY SAYS SO? Why should anyone believe THAT???

#### Economics:

\* Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Mission Requirements:

> \* What law says you can use Hawaiian lands, bully the State into granting Stars access, and rip-off the taxpayers year after year? If we have any VOICE at all, hear our questions!

We urge you to LISTEN to the VOICES of reason and reality. We pay taxes all our lives and would truly rather see a world without suffering, even if the military needs to work in the streets with the war on drugs and poverty. Send their scientists and technological advances to clean the filthy environment. We need disciplined, fresh, intelligent minds not for war toys but for world health.

Keep our military for our protection, at airports and other city centers where terroristic war games create real threats to public safety. Don't forget what happened to Argentina just this year.

I am proud to be on record for OPPOSING SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someway, TRIS DAY, make a difference!

Jesee Cervantes

#### Written Comment Sheet

## **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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> Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

WR322

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#### Written Comment Sheet

## Strategic Target System **Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Star Wars project is wrong both for the time place at which it is proposed In an era where deficit is huge, and the military budget is being but whis project makes no sense. Nor dore it make sense for small, Fragile balance & Kavai. Any disaster would affect the whole warman island and only a small mishap would be necessary to ruin the envilonmental balance and beauty of Barking I do not believe the conclusions or the EIs that launching missiles and dropping their aftachments will not affect the area and wildlife respecially turtles and whales which I-Hehana Blaich HONOLULU, HI 96822

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Address 2120 Kakela

Huntsville, Alabama 35807-3801

#### **WR322** (cont.)

inave experienced there. An ETS prepared by the army on an army project is hardly unbinked and credible. Please do not do this to our iskind and to our world which needs trust and theace—not defenses against enemies which no longer exist.

Sincerely,

Mehana Zeaich

p.s. Schator Inouge has said that the people working at PARE now will not loose their just if this proposal is not passed it is not an issue of justs.

## General Hammond

WT023

D'm glad efforts were made at getting the environmental impact statement done. I didn't feel the EIS was done as thouroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the fuels travel on the road, water or by air. To have us believe STARS would only damage some ferms and culture is abourd.

I remember not too long ago the damage Hurricane sua did to our island and to our tourist economy. This was a natural disaster that took us many years to receiver from. I doubt we could like recover from a man made disaster like the one STARS could provide. The damage seems endless. Endangering our plant and animal life, enjurging on a Hawauan sacred site, sepordifing our air, water and fishing, and more damage to our orgone layer. All these items are chitical to othe well being and to the tourist industry. I ask that you do not endanger my life or my families life and put an end to the STARS program. Thank you Sunna Makareurez

WR324 Written Comment Sheet **Strategic Target System Draft Environmental Impact Statement** Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. 1001 Want-13 laich Honolnia Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR325

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written	ļ
complets on the Draft Environmental Impact Statement for the Strategic Target System.	<i>,</i>
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Nama John R. Kekahu III & Sain II: Bry thin isla	ndg
Address YO 602 1371 Kayaa Ni 76/16	aya
Address Chr/State/Zip Code	-

Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

For the Protection of Hawaii's Native Wildlife

## HAWAII AUDUBON SOCIETY

HAWAP APDIBON SOCIETY 212 Merchan St. #324. Handele HP 96812 April 13, 1992

Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

The purpose of this letter is to provide comments on the Draft Environmental Impact Statement for the Strategic Target System program at the Kaua'i Test Facility, Pacific Missile Range Facility on Kaua'i, Hawai'i.

#### GENERAL COMMENTS

- Although the Draft Environmental Impact Statement ("DEIS")
  for the Strategic Target System ("STARS") program discusses
  the No-Action alternative, it fails to evaluate this
  alternative in light of recent international relations and
  global affairs, which cannot be ignored. The No-Action
  alternative must be re-evaluated in light of these recent
  developments.
- 2. The STARS DEIS describes a program that is only part of a larger one. The Army has illegally segmented the STARS program by assessing each component of the program separately, and fails to discuss other STARS programs at the Pacific Missile Range Facility ("PMRF"). Consequently, the Army has prevented meaningful analysis of the cumulative impacts of the program.
- 3. As in the Environmental Assessment for the STARS program on Kaua'i (U.S. Army Strategic Defense Command 1990), the Army does not include detailed information on safety procedures to be followed in the proposed STARS program. Instead, the Army refers to various plans, regulations, and requirements several of which are yet to be developed in discussing the effects of the proposed action on public health and safety (see specific comments on liquid propellants below, for example). In the absence of such specific information on safety procedures, regulations, and requirements, it is impossible to evaluate the effectiveness of the proposed mitigation measures.

#### WR326 (cont.)

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#### GENERAL COMMENTS cont.,

4. The Army has failed to conduct recent field surveys of rare and endangered species and their habitats at PMRF and in the general vicinity. Consequently, it is impossible to evaluate potential impacts to the species and their habitats resulting from the proposed action. Furthermore, there is no discussion in the DEIS on the adverse impacts to rare and endangered species in the affected area, within the context of overall populations and statewide distributions.

#### SPECIFIC COMMENTS

#### Motor Boosters

- 1. The alternative involving the remanufacturing of necessary motor boosters is not thoroughly discussed in the DEIS. On the one hand, the Army claims that remanufacturing boosters would be too costly and time consuming, and that the necessary tooling is no longer available. On the other hand, the Army is prepared to refurbish the Polaris boosters for which some tooling is apparently available. The EIS must provide a more thorough discussion on the remanufacturing alternative in order to properly assess this alternative.
- A history of Polaris A3 launch malfunctions, aborted launches, terminated launches, and other accidents should be included in the EIS.

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3. The Army's typical conclusions for virtually every concern relating to the aging and reliability of first—and second-stage motor boosters is that "the proposed protocol of x-raying and refurbishment addresses the issues that have been associated with aging first—second—stage boosters." However, the Army does not provide adequate information on the effectiveness of previous testing, x-raying, and refurbishing. The DEIS should also include evaluations by independent experts and consultants who have no professional or economic interest in the STARS program. This is justified for several reasons. The Army did not adequately discuss aging and booster reliability in its Environmental Assessment. Differing opinions among experts in the field were brought to light in a legal action filed by the Sierra Club Legal Defense Fund against the Army.

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#### WR326 (cont.)

#### Motor Boosters cont.,

- 4. Regarding the third-stage motor boosters, the Army states that there is not a large statistical data base to address the reliability of the third-stage motor boosters. The Army further states that, because the third-stage motor is newly manufactured, there are no reliability or safety issues associated with its development and use. It would be more accurate to say that reliability and safety issues relating to the newly manufactured third-stage boosters are not known at this time, rather than to say they do not exist. Presumably, the third-stage boosters will be tested and monitored at some point. However, the Army does not thoroughly discuss how, specifically, the third-stage motors will be tested and monitored for safety, reliability, and compatibility with refurbished first- and second-stage motor
- 5. The Army also notes in the DEIS that the third-stage motor boosters were designed to have a 5-year storage life without degradation. Since the STARS program is at least a 10-year program, how, specifically, does the Army plan to test the third-stage motors: (1) at the onset of each launch; and (2) after the 5-year storage life period? This information is necessary to evaluate the safety and reliability of the third-stage motor boosters.
- 6. It is not clear from the DEIS why the Minuteman III boosters would not be able to "transmit encrypted information when flown on a Minuteman III as they are permitted to do when flown on a Strategic Target System vehicle." The DEIS should include such an explanation so that a more complete assessment of this alternative can be made.

#### Liquid Propellants

- 7. Throughout the EIS, the Army cites various safety procedures, safety regulations, and standard operating procedures for the PMRF. The Army further states that safety plans will be developed. All relevant information must be included in the EIS. Citations to existing documents and references to plans that have not been developed yet are of little, if any, use in evaluating the program's impacts and the Army's proposed mitigation.
- 8. Who will develop the safety plans and operating procedures mentioned in the DEIS? Who will review them, and who will ultimately approve them? Will a supplemental statement be prepared upon completion of these procedures and plans? This information is essential in our evaluation of the proposed action and mitigative measures.

WR326 (cont.)

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#### Liquid Propellants cont.,

9. Worst-case scenarios regarding spills and accidents involving hydrazine and other hazardous substances must be included in the DEIS.

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#### Launches

10. Criteria by which launch azimuths will be determined should be included in the DEIS.

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11. Figures 2-12 and 2-13 (showing PMRF ocean safety zone and STARS ground hazard area) should include existing water and land uses, respectively.

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12. The release of hydrazine into the atmosphere (by experimental payload and venting experiments) is not discussed in the DEIS. Although the DEIS states that similar experiments have been conducted previously by the U.S. Air Force for other programs, the DEIS does not discuss the results of the experiments, nor does it discuss why additional experiments are required for the STARS program.

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13. The DEIS states that launches will be postponed if endangered Humpback whales (Megaptera novaeangliae) are observed in the area. This means that missiles will remain on the launching pad for an undetermined amount of time, until the whales are no longer in the vicinity. In addition, certain public recreation areas will remain closed/evacuated until the whales are no longer observed in the area. If whales are utilizing the waters during the entire "whale winter season," is the Army proposing to ban STARS launches for the entire season? This could mean prohibiting launches for as long as 5-7 months. It is impossible to assess the impacts to public recreation and safety without knowing, specifically, how long the whales utilize the area in any given season and, consequently, how long launches may be delayed on the pad.

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14. The effects of launch emissions should be discussed for sugar cane and other plants in the area.

Air Quality and Hazardous Substances

15. In the DEIS, the Army finds that the amount of ozonedepleting chemicals released by STARS is insignificant when compared to other sources, such as the Space Shuttle launches. Impacts to ozone caused by launch emissions and releases of ozone-depleting chemicals need to be assessed within the context of existing emissions and releases on Kaua'i and in Hawai'i.

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#### WR326 (cont.)

#### Air Quality and Hazardous Substances cont.,

- 16. Although the DEIS briefly discusses the greenhouse affect, the Army does not compare the increased levels with existing emissions from Kaua'i. As in the case of ozone depletion, the Army finds that levels of carbon dioxide from STARS launches are insignificant when compared to other (global) sources, and significance within the Kaua'i context is not evaluated.
- 17. The DEIS does not adequately discuss potential fish kills resulting from the emission of hydrogen chloride.
- 18. Discussions on wind patterns, launch emissions, and terminated launches should include impact assessments for periods when Kona (or leeward) winds prevail. These winds blow from southerly quadrants and do not follow the prevailing, northeast trade wind patterns.
- 19. The DEIS does not discuss the impacts caused by water deluge systems (used to protect dune and non-native vegetation during launches) on soil and groundwater quality.
- 20. The DEIS does not explain why lead deposition is not a factor in the proposed STARS launches, if this is the case.
- 21. Figures 3-3 and 3-4 should reflect the type of sampling being proposed.
- Table 3-3 should include a column indicating STARS results (per launch).

#### Rare and Endangered Species

- 23. Thorough field surveys by qualified biologists must be conducted for rare and endangered species in the PMRF area, in order to assess potential impacts to the species and their habitats, and proposed mitigation measures. The EIS should contain maps depicting the general locations of rare and endangered species and habitat, in relation to the proposed action. The maps should be based on the best and most current information, including recent field surveys, which were not conducted in preparing the DEIS.
- 24. Because field surveys of the endangered Humpback whale (Megaptera novaeangliae) in waters between Kaua'i and Ni'ihau were not conducted in preparation of the DEIS, it is not possible to assess the impacts to this endangered species caused by the proposed action. The DEIS does not contain adequate information on the use of these waters by whales during a typical winter season, nor does the DEIS discuss the use of the area by cow/calf pairs. Censusing

WR326 (cont.)

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#### Rare and Endangered Species cont.,

and research on Humpback whales is currently being conducted by researchers from Moss Landing. Preliminary results indicate that the waters between Kaua'i and Ni'hau may be very significant for the Hawaiian population of Humpback whales. The DEIS does not mention this information. The DEIS also fails to discuss the proposed action in relation to the overall distribution of Humpback whales in the Hawaiian islands and in the North Pacific. Consequently, impacts to the species cannot be accurately assessed and properly mitigated.

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- 25. Site (submarine) surveys of the threatened Green sea turtle (Chelonia mydas) should also be conducted in the waters off PMRF, especially in the proposed landing areas at Major Bay and 0.6 mi south of Nohili Ditch. The surveys are needed in order to specifically assess impacts on foraging and resting habitat. Existing information indicates that turtles aggregate or occur in large numbers in the immediate vicinity of the Nohili drainage ditch. The DEIS should include this information, as well as the impacts of the proposed action on the habitat.
- 26. The EIS should also discuss the PMRF nesting occurrences of the Green sea turtle within the context of total nesting habitat remaining on the main Hawaiian islands. The fact that 90 percent of the nesting occurs at the French Frigate Shoals makes it essential to protect any nesting habitat on the main Hawaiian islands. The DEIS does not discuss the potential impacts of lights on gravid females and on hatchlings. Such information is necessary to evaluate the potential impacts to the breeding of this species.
- 27. The DEIS does not discuss the possibility of endangered Hawksbill sea turtles (<u>Eretmochelys imbricata</u>) at PMRF. Have recent field surveys been conducted in order to rule out this possibility? Potential impacts caused by the proposed action to this species must also be assessed and mitigated, if it is known or found to occur at PMRF.
- 28. There is little discussion on the impact of noise to endangered Hawaiian water birds (coot, Fulica americana alai; gallinule, Gallinula chloropus sandvicensis; stilt, Himantopus mexicanus knudseni; and duck, Anas wyvilliana). Who will prepare the noise monitoring plan mentioned in the DEIS? Will endangered water birds be a consideration in such a monitoring effort? Where specifically will the noise monitoring stations be located? Without this information, we are unable to evaluate the potential impacts to these endangered birds. Furthermore, testing should be done prior to evaluating the impacts and proposed mitigation measures.

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#### WR326 (cont.)

#### Rare and Endangered Species cont.,

- 29. There is no discussion on the effects of launch emissions on water bird egg fertility and hatchling success. Undoubtedly, research has been conducted on chemicals and their effects on the eggs of similar species elsewhere. Such research results are necessary in assessing the proposed project's impacts on these endangered birds.
- 30. The DEIS does not discuss the effects of launch emissions on water quality and food sources for endangered water birds in the area. It should also be noted that irritation to the birds' legs and skin (potentially resulting from chemical spills) would be in violation of both federal and state endangered species laws.
- 31. The subspecific name for the Hawaiian gallinule is sandvicensis.
- 32. The endangered Hawaiian stilt's foraging behavior is different than that of the Hawaiian coot, gallinule, and duck. It is a wader and utilizes shallow salt-water and mudflats. The Army's evaluation of the proposed action's impacts on the stilt should reflect this distinctive habitat preference.
- 33. The DEIS does not adequately discuss how the Laysan albatross (<u>Diomedea immutabilis</u>) will be affected by the proposed action. Specifically, how many known courting and nesting habitats of this bird are known from the main Hawaiian islands? How does the proposed action affect the species' breeding? The latter is especially critical in light of the fact that various tactics have been employed over the years to discourage albatrosses from nesting at PMRF.
- 34. The Army does not discuss the foraging behavior of the endangered Hawaiian hoary bat (<u>Lasiurus cinereus semotus</u>) along the shoreline at PMRF.
- 35. The most commonly accepted name of the genus to which the endangered Hawaii hoary bat belongs is <u>Lasiurus</u>.
- 36. The Hawaiian monk seal (<u>Monachus schauinslandi</u>) is not Hawai'i's only endemic mammal, as stated in the DEIS. The Hawaiian hoary bat is also endemic to the Hawaiian islands.
- 37. The DEIS should discuss the success rates of transplanting Adder's tongue (Ophioglossum concinnum) to "suitable habitat elsewhere," as discussed in the DEIS, so that this mitigative measure can be properly evaluated.

WR326 (cont.)

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#### Rare and Endangered Species cont.,

38. Well-developed native strand vegetation is rare in the Hawaiian islands today. Discussion on this ecosystem-type at Nohili should be made within the context of the statewide distribution of such communities.

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39. The spelling of "Brauggman" should be corrected to "Bruegmann."

Land/Water Use

- 40. The DEIS should discuss alternative sites within PMRF for the STARS program, so that further desecration of Hawaiian burials and other culturally significant sites are avoided.
- 41. The DEIS does not discuss land ownership of the proposed STARS site or of the PMRF in general.
- 42. The DEIS should contain maps depicting existing land ownership, lease agreements, county zoning, and important cultural and recreational sites, in relation to the proposed action.
- 43. The DEIS does not discuss the impacts of the proposed action on: (1) native Hawaiian fishing and gathering rights; (2) subsistence life styles, which depend on the resources at Mana; (3) 'ohana (extended family) networking and sharing of resources; and (4) the future settlement of Hawaiian Homelands at Kekaha.
- 44. How much additional water (potable and brackish) will be required by the proposed action? Who is currently using these resources, and how will the proposed action affect existing and future users in terms of water quantity and quality? This information is necessary to assess the program's impacts on existing and future water users, including Hawaiian homesteaders.

Thank you for the opportunity to comment on the Draft Environmental Impact Statement for the proposed Strategic Target System. If the Hawaii Audubon Society can be of any assistance, please do not hesitate to call me.

Respectfully,

Marjorie Ziegler Board of Directors

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April 13, 1992

Deputy Commander U. S. Army Strategic Defense Command Attention: CSSD-EN-V (D. R. Gallien) P. O. Box 1500 Huntsville, Alabama 35807-3801

> RE: Written Comment on the Draft Environmental Environmental Impact Statement For The Strategic Target System dated February 1992

Dear Deputy Commander:

Submitted herewith are my comments on the Draft Environmental Impact Statement (DETS). Please note that all references in parentheses denote page numbers in the DEIS unless otherwise stated.

#### INTRODUCTION

Federal actions that significantly affect the human environment require an EIS that addresses the following issues comprehensively and with fairness: 1) the objectivity of the EIS - i.e., Does the affected agency so influence the shape, form, and content of the EIS that it becomes a mission-oriented statement?

2) the consideration of alternatives - i.e., Are the alternatives fully explored and discussed? 3) sufficiency of evidence - i.e., Are inferences and conclusions fully supported and documented by data? 4) omission - e.g., Are "worst case" scenarios and other negative information excluded, thereby limiting full disclosure?

5) a proper statement of economic matters - i.e., Are economic benefits correctly quantified and balanced against possible environmental costs? and 6) conflict of interest - i.e., Is the party that determines the adequacy of the EIS the same party that

WR327 (cont.)

prepared the EIS?

The most disturbing element of the DEIS is the imprint of a mission-oriented agency that pervades the DEIS, as evidenced by the following: 1) conclusory statements are made without sufficient data to justify such statements; 2) disclosure is limited so as not to highlight worst case scenarios; and 3) alternatives are not fully explored under the pretense of meeting time constraints imposed by the Missile Defense Act of 1991.

People may differ as to the wisdom of spending so much money and effort on the SDI program. But if the SDI program is to be a burden on taxpayers, that burden should not be one that results in bitterness because of waste or haste. There are already these rumblings of rage. Most importantly, the people of Kauai should have been provided an easily understandable DEIS, one that discloses the full range of possibilities on worst case scenarios together with the asserted benefits. This is lacking in the DEIS. Inherent Conflict of Interest

There is an inherent conflict of interest when the same agency, either directly or indirectly, both directs the shape and form of the EIS <u>and</u> decides the adequacy of the EIS. The unavoidable tendency and result would be for the EIS to lack objectivity and instead to resemble a mission-oriented statement. Embellishing favorable information and dismissing or not disclosing negative information would become persistent temptations. Conclusory statements without adequate supporting data would result. Because of this inherent conflict of interest, no matter

how clean the hands of the decision-maker may be, there will always be a taint.

The kinds of conflicts described above pervade the DEIS under review. In section 1.3.1 (1-5), the DEIS states that the Director of Strategic Defense Initiative Organization (SDIO), Henry Cooper, agreed to the preparation of an EIS because of the concerns of the public. In truth Mr. Cooper and his office resisted the preparation of an EIS. It should be pointed out that actually it was the Congress that appropriated funds for the EIS and mandated the SDIO to prepare an EIS.

Kauai residents have been informed by Mr. D. R. Gallien that Mr. Cooper's office will be the ultimate decision-maker regarding the adequacy of the EIS. His office should not have the final authority to determine whether the proposed launches will have any significant impact on Kauai. The adequacy of the EIS should be determined by an <u>independent</u> third party.

#### The Waste of Haste

The deployment of some kind of ground-based anti-ballistic missile program at a base by the year 1996 or as soon as technology permits is the mandate of the Missile Defense Act of 1991. Deadlines often spur activity. But activity made in haste can lead to waste in monies and effort, especially when short-cuts are taken. The DEIS reflects this kind of "rush to judgment" approach in its failure to consider all alternatives in a thorough and careful manner.

WR327 (cont.)

#### Incorporation By Reference

In section 1.3.2 (1-5) of the DEIS, certain documents are incorporated by reference. This is an objectionable practice. If incorporated by reference, these documents should have been attached to the DEIS. Comments should then be permitted on these documents. Incorporation by reference leads to an over-load of information that is not relevant to the DEIS. This practice should not be allowed.

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#### Alternatives

Chapter 2 of the DEIS starts out with the summary statement that "operational, safety, and treaty considerations" left only the proposed action and the "no action alternative" as appropriate for discussion in the DEIS. The alternatives were eliminated from further consideration without being fully explored and discussed. Instead of the cursory treatment given them, the alternatives should have received full consideration. Such brief mention in section 2.3 (2-34) of the alternatives and quick dismissal of these alternatives should not be acceptable. Is it not the purpose of the SDI program to test defense systems against intercontinental ballistic missiles? Or is its purpose to rush to utilize the budgeted amounts under the Missile Defense Act of 1991? If it is the latter, a great waste of energy and taxpayers' monies would occur because testing would take place under less than ideal conditions.

The DEIS developed certain criteria against which the various alternatives were evaluated. These criteria (2-36) must be closely

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scrutinized because their wording would tend to narrow the choice to the alternative desired. Through the selection of criteria a mission-minded team can often eliminate certain alternatives. Thus, a review in the DEIS of some of these criteria would be appropriate.

First: Scheduling to meet the time set for the deployment of anti-ballistic missiles should not be a criterion in the DEIS. The stated objective of developing "for deployment a limited ballistic missile defense system by FY'96 or by the earliest date allowed by the availability of appropriate technology" (2-36) is an admission of the SDI objective. Concern with scheduling, however, should not be used to outweigh environmental concerns since the Missile Defense Act of 1991 also talks of "the earliest date allowed by the availability of appropriate technology." (2-36). Technological advancement can be attained without environmental despoliation. Therefore, whether the use of a site would satisfy all environmental concerns should override any consideration based upon meeting a 1996 deadline.

Second: The START Treaty is ripe for amendments. Such amendments could be structured to provide the ideal conditions for testing. Intercontinental ballistic missiles as well as multiple test objects from these missiles would provide the ideal vehicle for testing under the SDI program. Minuteman I and II rockets are scheduled for discontinuance from the weapons system. These ICBM's could be launched from either Vandenberg Air Force Base or Alaska's Poker Flat Research Range. Not only would the SDI program be

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WR327 (cont.)

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testing the very type of long range missiles for which the testing is designed, but the infrastructure and rockets are already available. Therefore, the alternative of treaty modification should be explored and discussed in the DEIS. If the SDI program is aimed at testing ICBM targets, then ICBMs should be tested and not intermediate range missiles. Using the criterion of scheduling and cost limitations (the sixth criterion) only provides an excuse to force a conclusion that "the Strategic Target System vehicle launched from the Kauai Testing Facility (KTF) is the only reasonable option." Is it not because the "rush" is on to spend appropriations that the "forced" option becomes "the only reasonable" option?

#### Boosters

At page 2-9 of the DEIS, in the discussion of refurbished booster reliability, much more data need to be provided to substantiate the conclusory statements made. For example, a full discussion of the characteristics that are typical of aging solid propellant boosters would be useful. Some negative information is being glossed over by statements such as, "The refurbishment process for each booster is specifically designed to meet original Polaris A-3 flight specifications in the areas of performance, safety, and reliability." Non-disclosure suggests an attempt at cover-up and is certainly unacceptable in an EIS.

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First-Stage Booster Reliability (2-9). These are 27 year old boosters refurbished for the SDI program. At minimum, scientific testing should be done by independent third parties and inspected

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by independent third parties. Confirmation of safety should be required instead of a reliance upon in-house statements of reliability. Since room for disaster by human error is great, past record of unreliability should also be presented. In the DEIS only affirmative conclusory statements are being made.

Second Stage Booster Reliability (2-10). These are 26 year old boosters refurbished for the SDI program. The DEIS contains an admission that "Some older Polaris A-3 second-stage boosters have experienced failures caused by forward dome burn-throughs," yet fails to provide detailed statistics of failures. Testing results of refurbished booster must be presented. The absence of such test results in the DEIS leaves the reviewer with an uncomfortable distrust of such conclusory statements as the following: "The Strategic Target System second-stage booster refurbishment and static test program has adequately addressed the technical issues that caused concern about using aged boosters. Static firing and subsequent dissection has not only demonstrated the validity of the refurbishment process by meeting all test objectives and success criteria, but it has also shown that the boosters meet the original performance specifications."

#### Flight Termination

Strategic Target System Vehicle Flight Safety (2-16). The discussion of flight termination over certain circumscribed pathways does not provide comfort. What would happen if a missile went outside its narrowly designed pathway? Under those circumstances all of Kauai would be exposed to the dangers of an

WR327 (cont.)

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abort order due to a failure in the guidance system. Therefore, it would be an appropriate procedure for the logs of the Missile Safety Officer to be made available for review by an outside inspector.

At page 2-16 of the DEIS, the depressurization of booster cases and the directional hole cuts in the liquid fuel tank in the event of an early termination of flight are discussed. Test results, if any should be presented as a malfunctioning destruct mechanism could cause dangerous gases and liquid fuels to be dispersed over life and property.

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The launch hazard area described at page 2-18 et seq. is one-directional. In the event of a misguided flight, the launch hazard area could easily be expanded to cover the islands of Kauai, Niihau, and other islands in the Hawaiian chain. To designate the launch hazard area in the one-directional manner shown is probably adequate, as long as there is no malfunctioning of the guidance system. How did the Pacific Missile Test Center (PMTC) at Point Mugu, California arrive at its designation of the launch hazard area as described in the DEIS? A thorough explanation of the factors PMTC used in defining the launch hazard area should be presented.

The ground hazard area described at page 2-18 et seg. is arbitrarily set. A 10,000 feet maximum arc is used (Fig. 2-13 DEIS). The simulation program used to compute the dispersion of debris from a point of early termination must have assumed only one point of early termination. No data is presented as to alternative

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points of early termination so that the conclusion as to the size of the ground hazard area is unsupported. The conclusion that "The risk to the public from the falling debris of a flight that has been terminated is extremely remote" is not substantiated by data. Even if the ground hazard area is as circumscribed in Figure 1-13, both Polihale Park and the State of Hawaii lands are being exposed to danger and deprived of their maximum use potential. The residents of the State of Hawaii would be denied use of Polihale Park every time a launch is planned. The State of Hawaii would be denied access to its lands as well.

#### Deprivation of Ownership Rights and Incompatible Land Use

The use of PMRF for the launching of rockets of the size required for the SDI program constitutes a taking by the military of lands belonging to the residents of the State of Hawaii. PMRF is a long sliver of land without the land mass needed for the launching of SDI rockets. One need only look at Figure 2-13 to see the fallacy of using a narrow finger of land for the launching of intermediate range rockets. It may have been a different story when smaller rockets were fired. Intermediate range rockets call for vertical flights, more fuel, etc. The extension of the ground hazard area into Polihale Park and State of Hawaii lands causes neighboring landowners to lose the right to use and occupy their lands. This is an important issue for the residents of Kauai and must be addressed by SDIO and fully discussed in the EIS.

The importance of land ownership is also reflected in the necessity for the State of Hawaii to execute two documents: the

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Memorandum of Agreement (Appendix B) and the Grant of Easement (Appendix C). Both of these documents seem to be after-thoughts, the realization by SDIO that the launches intrude into the ownership rights of the State of Hawaii. Both of these documents have not been signed. It would be against the interest of the State of Hawaii to enter into these agreements. SDIO should realize that the launching of intermediate range rockets from a small finger of land, like that of PMRF, is inappropriate. The State of Hawaii, in its fiduciary role as title holder to certain ceded lands, would be remiss if it were to burden its lands with such an easement.

Flight Termination (2-25). No empirical data are presented that upon early termination of the first and second stages fragmentation would occur as stated in the DEIS. Besides missile dispersion, the explosive dispersion of dangerous hydrazine and other chemicals could cover a wide area of Kauai. Gregory Feeley aptly described it in the March 1992 issue of <u>The Atlantic</u> magazine in discussing the Challenger disaster:

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... as the <u>Challenger</u> disaster showed, a rocket, however complex its computerized regulatory systems, is essentially a space capsule sitting atop an enormous bomb, which is burned slowly rather than detonated all at once (42).

An explosion over the launch site would be highly destructive and significant to Kauai because of Kauai's small land area, fragile land and sea environment, and conflicting land ownership and land use claims adjoining the launch site.

The explosive consequences are not only possible but probable

inasmuch as ground zero to pitch maneuver does not occur for at least 2.18 seconds of vertical flight. (See 2-25). This is the moment of greatest danger to Kauai from a bomb-like explosion. What that explosive force would be is a function of flight time. The first stage is stated to weigh 24,300 pounds at lift-off. (See Appendix D). In view of this kind of danger that is present at the first stage, scientific and empirical data of safety precautions at this stage are profoundly lacking.

Flight Trajectory (2-25). There are instances of guidance systems going awry. According to the DEIS, it will take 15 seconds of flight time for the flight vehicle to clear Kauai. This means that during a period of approximately 12 to 13 seconds a guidance system error can occur, assuming that no other guidance error occurred during the two to three seconds of vertical ascent. This is another point of extreme danger since either Kauai or Niihau could be exposed to the ruinous effects of early termination. A comprehensive EIS would include data of other early terminations.

Payload Flight (2-26). The release of dangerous hydrazine is for experimental purposes. As such, what empirical data there are have to come from other studies. The U. S. Air Force has conducted similar experiments. Why are these results not summarized in the present DEIS?

#### Modifications To The Proposed Action

Modifications to the Proposed Action To Reduce Environmental Impacts (2-29 et seq.). Without third party continuous monitoring and reporting, the actions to address public concerns are easily

WR327 (cont.)

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buried in a bureaucracy. This is especially so because of two reasons: first, many of the statements made in this DEIS are predictive and the actual must be compared with the predictive; second, the proposed launchings are continuous for over a 10 year period. Therefore, independent third party inspections and monitoring by trained people reporting to the public should be provided and paid for by the SDI program. The DEIS makes no provisions for continuous monitoring and inspections.

Not all of the environmental concerns of the public have been addressed. The modifications outlined in the DEIS are inadequate because they cannot rectify what are essentially inconsistent uses of land. The launching of rockets under the SDI program from PMRF highlights the incompatibility of intermediate range rocket launches with land use and land ownership rights of neighboring land owners.

One need only look at Figure 2-16 on page 2-30 of the DEIS to get the flavor of this incompatibility. Dangerous hydrazines and nitrogen tetroxide are but yards away from non-PMRF property. Are such dangerous chemicals as well as noise and blast activities compatible with adjoining agricultural use, recreational activities, and residential use by Hawaiians under the Hawaiian Homes program as well as by other residents?

The transportation of hydrazines and nitrogen tetroxide to the PMRF is given only superficial attention in the DEIS. More data should be presented of the danger to life and property in the event of accidents and the proposed action to address the damage

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resulting from accidents. This section displays either an unconcern with the dangers of accidents or else a desire not to discuss this matter fully (2-34).

#### Affected Environment

The affected environment is described in Chapter 3 of the DEIS. Areas of concern are identified as geology and soils, water resources, air quality, biological resources, cultural resources, noise, hazardous materials and waste, public health and safety, infrastructure, and socioeconomics. Only certain of these areas of concern will receive comments.

In the section on land use (3.6), the region of influence is defined to include KTF/PMRF, Polihale State Park, and the coastline to the Waimea River. Not included are the areas adjacent to PMRF - lands held by the State of Hawaii under the Department of Land and Natural Resources and the Hawaiian Home lands east of PMRF. The region of influence for land use purposes, at minimum, should be expanded to include these lands adjoining the PMRF. The proposed launches represent a significant increase in the use of PMRF. Such increased use will affect not only Polihale State Park and the coastline to the Waimea River, but also the State of Hawaii lands and the Hawaiian Home lands.

The inclusion of the above lands in the region of influence provides a better picture of the conflict of land uses within this newly defined region of influence. The State of Hawaii lands, for example, are presently leased to Kekaha Sugar. The lease expires on December 31, 1993, and the lands could possibly be converted to

#### WR327 (cont.)

other agricultural and residential uses. Similarly, the Hawaiian Homes land approximately three miles away from PMRF could be settled with farmers and ranchers. The launching of intermediate range rockets under the SDI program is incompatible with agricultural, ranching, residential and recreational uses within the properly defined region of influence.

At page 3-35, the DEIS states that PMRF operates on lands set aside under two Territory of Hawaii executive orders. The DEIS continues with the statement that "public access to the shore be permitted for fishing. However, PMRF is allowed to deny access to the shore under the executive order during hours of hazardous operations." (emphasis added). The DEIS then describes how PMRF divides its coastline into three recreational areas (See Figure 3-9, 3-37) and sets hours for their use and restricts access whenever "hazardous operations" are being conducted (3-35). What do these executive orders really say?

The executive orders read, in pertinent part, as follows:

The land herein described is set aside upon the understanding that access to the shore for the purpose of fishing will be denied only on the portion used for bombing and that only while same is actually in progress or about to commence. (emphasis added).

How should the underscored language be interpreted?

First: the language of the executive orders is stated in the affirmative as to "access to the shore for the purpose of fishing."

The only exception to this affirmative reservation of right of access to the shore is the denial of access to the shore "only on

the portion used for bombing and that only while same is actually in progress or about to commence." PMRF, by setting hours of use for the different recreation areas, is denying access to the shore even while there is no bombing or, for that matter, while there is no "hazardous operation."

This is contrary to the wording of the executive orders. While there is no bombing, any barrier to access to the shore, whether it be physical, temporal, or otherwise, is contrary to the wording of the executive orders.

Second: the denial of access to the shore can be imposed when "bombing" is in progress or about to commence. The DEIS uses the term "hazardous operations" as justification for the denial of access to the shore. Of course, no one would suggest that safety should not be a concern. PMRF is using the term "hazardous operations" as justification for a denial of access to the shore. This policy, used in conjunction with an already existing restriction on the hours of use of the recreational areas, effectively leaves little meaning to the term "access to the shore."

There is a danger in equating "hazardous operations" to "bombing." Most everyone can agree what a "bombing" is. Not everyone will agree on the definition of "hazardous operations." By loosely construing the term "hazardous operations" the PMRF can deny access to the shore in a manner contrary to the terms of the executive orders. The right of access to the shore will erode as PMRF conducts more and more "hazardous operations" at the base.

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Table 3-5, on page 3-38 of the DEIS, shows the effect of PMRF's imposition of a permit system and the restriction on the hours of access, and the denial of access during "hazardous operations." Undoubtedly, many more residents would seek access to the shore if these restrictions were not in place.

Aesthetics

DEIS limits its discussion of aesthetic impact to the visual impact of the launch pad. Other aesthetic concerns such as noise, the fear of a serious accident, and the misuse of land and natural resources have been overlooked in the DEIS.

The DEIS fails to consider the impact of noise upon future residences on the adjacent State of Hawaii lands and on Hawaiian Homes lands. The launching of intermediate range rockets at PMRF would cast an unmistakable blight upon these neighboring lands. Safe levels of noise under U. S. Army Regulation AR 200-1 are not the same as desirable levels of noise for farming, ranching, and residential use.

Region of Influence For Public Health and Safety

The region of influence for public health and safety concerns is defined in Section 3.10 (3-44). The areas that could be affected must be enlarged inasmuch as errors in the launch operations could affect areas outside the launch hazard zones.

In discussing the First-Stage Booster (4-48), the DEIS asserts that migration of nitroplasticizer into the insulation could caused insulation and booster case burn late in the first stage burn. "Such an event would cause the booster to lose forward thrust and

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WR327 (cont.)

possibly veer off course." (4-48). There is no discussion of the possibility of the rocket veering off course early in the first stage when the rocket is over the island of Kauai. In fact, there are no data presented that this will not happen.

In a similar vein, conclusory statements are once again made about case insulation separation problems and the failure of hydroburst and static firing tests to test the aging of the boosters. Details of the various tests, if available, should have been presented.

The greatest concern in the discussion on pages 4-50 and 4-51, is the statement, "In the unlikely event that the first stage is terminated, it is still improbable that the second stage would detonate. The second stage would be susceptible to detonation only if the booster were broken up into fragments that hit a very hard object while flying, or hit a hard and heavy object on the ground." Probabilities are discussed in theoretical terms. Assurances based upon study and data derived therefrom should be presented inasmuch as early termination of the first stage could detonate the second stage over Kauai. This could be a major disaster. Therefore, thorough testing and more data need to be presented in the EIS.

Similarly, the statement, "It is also unlikely that either a command destruct, using the flexible linear-shaped charge of the flight termination system, or a secondary detonation, resulting from the rupturing of the liquid propellant fuel tanks, would cause a detonation of the second-stage propellant." (4-51) is also conclusory. The fact that "no Polaris second-stage booster has

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ever detonated directly as a result of case rupture or use of shaped charge" is not sufficient. A full range of knowledge in this area should be presented.

There are two occurrences that could definitely constitute a significant impact to the human environment - the rocket flying off course or an explosion occurring. Two considerations are used in analyzing the booster debris pattern of an explosion: 1) the speed and trajectory of the booster; and 2) the amount of time the Range Safety Officer has to detect a problem and to take action to terminate the flight. (4-52). Three scenarios are then considered (4-52 and 4-53). Termination at any stage would be undesirable. However, it is Scenario Two, "Early flight Termination After Lift-Off" and Scenario Three, "Pitch Back Over the Island" that bear commenting.

Scenario Two. The ground hazard area is shown on Figure 2-13 (2-23). If we use the ground hazard area defined in the DEIS, the debris pattern under a controlled and prescribed termination would nonetheless intrude over a portion of Polihale State Park and the State of Hawaii lands. See both Figure 2-13 (2-23) and Figure 4-5 (4-54). The Range Safety Officer uses a 3.5 second reaction time to detect a malfunction and to terminate the flight. (4-53). Besides a reaction time prolongation, there could be a failure of the termination device. Should this occur, what would be the consequences? Could not the rockets return back to Kauai? This problem of a failure to pitch and the failure to trigger termination needs to be explored and fully discussed with data to

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support various possibilities.

Scenario Three. In this scenario a pitch of 20% from horizontal is hypothesized, and the statement is made that vehicle flight could be terminated up to 15.1 seconds into flight and still provide a debris pattern within the ground hazard area. In both Scenarios Two and Three the damage to surrounding lands would not be acceptable even within the prescribed ground hazard area. But with the potential for a larger hazard area the damage may be so great that the project proposal may have to be scrubbed. In Scenario Three what would be the consequence of different degrees of pitches and the failure of the destruct device? Again, the rocket could return back to Kauai or some other island in the Hawaiian chain. The problem of a pitch in the wrong direction, particularly back over the island, and of the failure of the destruct mechanism to trigger termination needs to be explored and discussed in full with data to support various possibilities.

All three of the scenarios mentioned in the DEIS (4-52 and 4-53) lack supporting data. A confident statement is made that "if a flight is terminated, the effects will be confined and will not affect any populated areas of Kauai or Niihau." (4-53). How can this statement be made with such assurance when, almost in the same breath, a subsequent statement is made that there is an over all system reliability of 97%. In other words, not only is there a probability of at least one early termination occurring, there is the probability of other scenarios happening, other than those stated in the DEIS. The consequences from these scenarios could

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be devastating for Kauai and for the State of Hawaii. Why are these worst case scenarios not mentioned in the DEIS? Uncertain and unknown impacts need to be explored thoroughly in an EIS. Full disclosure requires the discussion of all eventualities. Instead of such a thorough discussion, only confident and glowing conclusory statements are made in the DEIS.

Transportation of liquid hydrazine and nitrogen tetroxide (4-58 through 60) under certain circumstances will be by an overland route from Port Allen to PMRF via Route 50. Safeguards on Route 50 are not adequately covered in the DEIS. Specific steps to protect the public from accidents, leaks, and spills need to be spelled out. Even with safeguards established, there will still be grave reservation about the use of Route 50, for Route 50 is the one and only roadway between Port Allen and Kekaha.

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The effect upon lands adjacent to PMRF caused by propellant spills adds another dimension to the issue of incompatibility of intermediate range rocket launches from PMRF and the use of lands neighboring PMRF. Propellant spills add to the risks of further blight on the value of the neighboring lands. See, for example, Figure 4-10 (DEIS 4-69).

Socioeconomics

The discussion of socioeconomics under Section 3.12 (3-48-52) and Section 4.12 (4-73 and 4-74) needs modification. The space devoted to PMRF's employment activity is disproportionate to the space devoted to that of other employers on Kauai. The importance of PMRF's contribution to the economic life of Kauai is overstated

and suggests that without the SDI launches, PMRF will close down. In fact, outright statements to that effect have been circulated in the community by proponents of SDI. The contribution to the economy of Kauai that the SDI launches would have, not the contribution that PMRF has had prior to the SDI launches, is the issue at hand.

Several questionable items exist in Section 4.12.1 ( 4-73). The DEIS states that "Given personnel expenditure profiles, four launches a year could generate up to \$0.9 million annually in additional spending in the surrounding communities." This figure appears over-inflated, but without economic analysis, it is difficult to make any comment. The DEIS requires a more detailed economic analysis instead of the lengthy write up on PMRF.

Similarly, a survey should have been conducted on the effect on tourism should an accident occur during an SDI test launch. Comprehensive data should have been presented on this very important question instead of just a parenthetical conclusive statement that the Challenger disaster had no effect on tourism in Florida.

#### CONCLUSION

The DEIS fails to meet the standards of an objective and properly documented environmental impact statement. Until the issues are properly addressed, no launches should be allowed.

Respectfully submitted.

Clifford Chinage Clifford I. Arinaga

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TOM NORRIS P.O. Box 628 Kekaha, HI 96752

#### STATEMENT PREPARED FOR THE STS HEARING ON THE DRAFT EIS

My name is Tom Norris and I am a researcher affiliated with Moss Landing Marine Laboratories in California. For the last two years I have been studying humpback whales off the southwest coast of Kauai, including the waters off PMRF. This study is part of a four year effort initiated by Sal Cerchio, a research associate also from Moss Landing Marine Laboratories. Our research is the only work of its kind which has been performed on the island of Kauai investigating humpback whales. Although data from this project has yet to be fully analyzed, I feel that it is important to present some of it here, as it is some of the only data for the waters directly off PMRF/KTF.

I have reviewed the draft EIS and am concerned that there are some serious deficiencies regarding potential impacts on the federally protected and endangered humpback whale.

My specific concerns are as follows:

Section 3.4.3 - a summary of relevant humpback whale information:

-The first paragraph presents outdated information about concentrations of whales in the Hawaiian islands from an aerial

survey study performed from 1977 to 1979 by Baker and Herman(1981) from the University of Hawaii.

-It states "they recorded 41 whales in 1977, 40 whales in 1978 and 133 whales in 1979."

- These data are grossly misrepresented because the figures represent absolute counts from the survey. These raw data were never intended to be used directly to represent population sizes of humpback whales. They were obviously intended for the purpose of comparing relative concentrations of whales among different areas in the Hawaiian islands.

In the third paragraph of the same section(3.4.3.2), the draft EIS again inaccurately presents information about concentrations of humpback whales, stating:

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"They (humpback whales) concentrate in the four island area (Maui, Molokai, Lanai, Kahoolawe), Penguin Bank, Niihau, and northwest Hawaii."

- First, it is unclear whether "northwest Hawaii" refers to the NW Hawaiian Island chain (atolls) or the island of Kauai.
-Second, recent studies conducted for the National Marine Fisheries Service have shown a dramatic shift in the distribution of humpback whales (Mobley and Bauer, 1991).

A thorough review of humback whales should have included a recent paper presented by Dr. Joe Mobley (Univ. of Hawaii-West) and Dr. Gordon Bauer last december at the 9th Biennial Conference of the Society of Marine Mammology.

-This study replicated the methods used in the '77-'79 aerial study by the U. of Hawaii to count whales, so that any changes in the relative number of whales using different areas could be easily compared.

-More importantly, Mobley's study began in 1990 (well before the completion of the Draft EIS report) and will continue through this year. It therefore presents data from only 2 years ago as opposed to data which is over 12 yrs old.

#### Results of Mobley and Bauer's Study:

-Mobley found that the Kauai-Niihau area, including the area directly off PMRF and Nohili dune, had among the highest whole concentration of any area in the Hawaiian island. In fact it ranked second out of five areas examined, with regards to number of whales sighted per hour (a measure of whale density.)

-Furthermore, the Kauai/Niihau region showed a 200% increase from the 77-79 study by the U of H.

-Preliminary data from the '91 and ongoing '92 aerial survey's support these findings.

Results from our study (Cerchio 1991&1992, unpub. data)
-Raw data from the last two years ('91 & 92) of our study support the recent aerial survey results.

-These data indicate that Set out a total of 644 humpback whale sightings (greater than half) were located between Nohili dune and Kokole point, (east of PMRF). This is significant because less than half of our survey effort and less than one quarter of the area we survey encompasses this region.

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The Navy proposes mitigation with repect to humpback whales. I would like to commend the ARMY on their proposal for mitigation measures. As Section 4.4.4.3 states:

"Prior to launch, the US Navy will survey the first stage impact areas and the launch safety zone. Any whale or sensitive species observed in this area will cause the launch to be delayed."

-Figure 2-12 of the draft EIS shows the safety zone extends approximately 3 nautical miles from the shoreline of KTF.
-It is apparent when examining Fig. 3 of Mobley and Bauer's study(1991), this region coincides with the area of highest concentration of humpback whales off Kauai.
-The results of the aforementioned studies and my personal observations strongly suggest that concentrations of whales are so high that it would make it unlikely not to sight whales in the established safety zone during the wintering period for humpback whales (Dec. - April.)

-This would therefore preclude any launch of missiles during

I am concerned that the U.S. ARMY S.D.C. could circumvent this problem by using unqualified personel to sight whales. As section 4.4.4.3 states:

" Prior to the launch, the U.S. Navy will survey the first stage booster impact areas and the launch safety zone."

Therefore, I strongly urge that the ARMY uses experienced observers to survey whales and other marine mammals. The National Fisheries Service and the U. of Hawaii have access to many qualified personel with necessary qualifications and experience.

Additionally, I would like to propose that the ARMY use PMRF's and the NAVY's excellent acoustic monitoring equipment already deployed in the region to verify if whales are in the area. Our research indicates that wintering humpback whales sing almost continuously throughout the breeding season. Whale songs in the area would indicate presence of whales which may not be detectable from surface observations.

Another innadequacy of the draft EIS is the lack of any mention of potential effects on humpback whale mother/calf pairs. Recent research has demonstrated that mother/calf pairs are especially susceptible to human-related disturbance (Glockner-Ferrari, 1991). Since it is also well known that mother/calf pairs prefer very near-

shore, shallow water, usually less than 10 fathoms, it would seem very likely that disturbance related to STS could negatively impact whales. Such impacts include effects from boat activity related to clearing the nearby safety zone and transport of fuels and related chemicals via boat and/or landing craft.

Furthermore, no mention of increases in boat traffic affiliated either directly or indirectly with the launch is mentioned in the draft EIS. This also has the potential to have an impact on humpback whales especially when considering that, as with all whales and dolphins, their primary sensory mode is acoustic.

Finally, as a marine biologist I am concerned about impacts to other marine mammals which we know rely heavily on the area around KTF/PMRF. Bottlenosed dolphins, spinner-dolphins and spotted dolphins all of which are protected under the Marine Mammal Protection Act, are frequently sighted in the area.

Considering the inadequacies and misrepresentations in the draft EIS I support the no-action alternative and propose that no further missles be fired from PMRF or KTF until the issues are properly addressed.

Signed

Tom F. Norris

#### WR328 (cont.)

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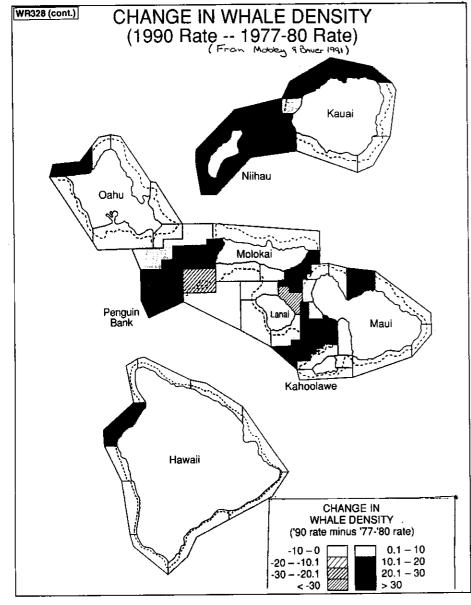
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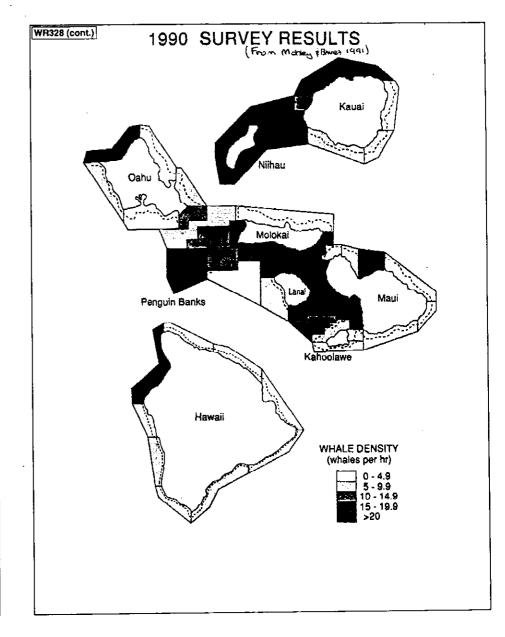
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Glockner- Ferrari, D. & Ferrari, M. 1991. Annual Report to NMFS.

Forrestell & Mobley 1991. 1991 Aerial survey of humpback whales on Hawaiian wintering grounds. Annual Report to N.M.F.S.

Mobley, Jr., J.R. and Bauer, G. B. 1991. Changes in distribution of humpback whales on the Hawaiian wintering grounds: 1990 aerial survey results. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals, Dec. 5-9, 1991, Chicago, IL.





April 20, 1992

Lt. Gen. Robert D. Hammond, USA Commander, U.S. Army Strategic Defense Command P.O. Box 15280 Arlington, Virginia 22215

Dear General Hammond:

The following comments have been sent to me with respect to the Strategic Target System (STARS) program and the STARS Environmental Impact Statement (EIS). I am forwarding these comments to you because I think it is important that the Department of Defense (DoD) have the broadest understanding of the feelings of the citizens of the State of Hawaii on these matters. I also would appreciate it greatly if the Army would consider and address, as part of the "public comment" process, those statements which raise specific concerns regarding the Draft EIS. Please keep me informed about your specific responses to these statements.

Thank you for your attention to these important matters.

Sincerely,

Daniel K. Inouye Chairman Senate Appropriations Subcommittee on Defense WR330 DANIEL K. INOUYE, SENOTOR U.S. SeNate Washington, D.C. 20510

WR330 (cont.)

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



Pg 1 then 3

STLE WARREAD IMPACTS IN THE KWAJALEN ATOLL 4/4/92

Dear Senator Inouge,

I have been a resident of Hawaii for almost rine year. I live on the Island of Kanai and I'm against the installation of the "Star Ware" program on this Island. I feel that there are too many danger including the transportation of dangerous chemicals on our roads, the contributing of deterioration or depletion of the ozone layer because of the freon (11482) being released in our atmosphere by the missile launches and most of all lecause of the continued use of the Marshall Island as the target area. It's hearthreaking to Know that the Marshallose people have been forceally taken from their homeland and heroted like skeps into a small confined area the seze of Ala Moarra Shopping Center.

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incoming Musiles also the Hawwar Land in that area - (at the musile launch pad sites) is the Nobili Dune - the most sacred spot on Rouse to nature Hawaiians.

This area should not be disturbed.

The EIS study is brased and very inconclusive "to say the least". The EIS assets that there was "no significant impact..." to geology and sole, water resources, air quality, biological resources, cultural resources, land use, risual resources, house, hospedans materials and waste public health a sofety, infrastructure of socio-economica (table 23 pp 2-39-40) yet, after stating this, there were no quantitative figures to back up their statements.

I had the opportunity to be at the first meeting on Tuesday right. I stayed from 6:30 PM to 12:30 AM which was the time that the meeting started and finished. A lot of people got up and spoke and I holed that a lot of supporture or "yellow shite" were military personnel. I was in you to know that I'm not anti-military since I was in you to know that I'm not anti-military since I was in the Manne Copps for four years during the Viet Nan the Manne Copps for four years during the Viet Nan Gra. I feel however, that the military personnel had not liveness being at these meetings military personnel are "closes" or instrument of the sovernment. If you took

#### WR330 (cont.

pendente of Kaiss. It gold of Kause and not the Transvert "bought a paid for "military personnel should decide this issue. The civiliane who lue here are the ones who have a stake in this land. They are residente of this state and decene to be the only ones who decide their issue.

Senator Inouge, you must fight for the safety and welfare of this land and its people I leg of you to fight this thing and not let the Government make have a missile launching facility and dumping around or site for hypotrogine Introgen terretide and other hazardous worket fuels. Thus Island of Kawa is a precious National Treasure Kowa is a rose, lush tropical Garden, one of the last remaining rain forests and it would be sacribegious to use this tropical garden as a launching pad for antiquated and dangerous polars missiles.

Thankyon, Senator Inouge, for reading this letter.

I have also enclosed some interesting information
from reputable sources concerning major fault of the

Attar Ware Program.

Louis A. Reporta Je.

Respectfully / Louis A. Penato JR.

A Safety Net Full of Holes

seemed like a good idea at the time. n a speech on March 23, 1983, Presdent Ronald Reagan described his rision of "intercepting and destroying strategic ballistic missiles before they reached our own soil ... an effort which holds the promise of changing the course of human history." Nicknamed "Star Wars," the defense shield would replace the lerror of mutually assured destruction (MAD) with the promise of demol-Jahing any missiles coming America's way. From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now, \$30 billion later, there's evidence that the Strutegic Defense Initiative Office (SDIO). as the Star Wars command is known, saw the flaws all along—and knowingly masked the program's failures and overstated its progress just to keep the money rolling in.

Engineer Aldric Saucier, who was fired from the SDI program last month, described in an op-ed piece in The New York Times last week a conspiracy within SDIO worthy of an Oliver Stone movie. He ac-cused SDIO of "systematic illegality, gross tnismanagement and waste, abuse of power and the substitution of political science for the scientific method." He said SDI officials took money allocated by Congress for one program and spent it on another, and falsibled data about the efficacy of such manuals. data about the efficacy of such marvels as the X-ray laser in order to keep the dollare gushing in. In an interview with News-WEEK, Saucier detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates of between \$222 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fetal flaws in the systems. Saucier. chief scientist for Advanced Technology and Architectures for the army's Strategic

Wars will never provide an impenetrable umbrella against nuclear missiles.

Pentagon scientista criticize Saucier's work and aven question his sanity. SDIO will not comment on his allegations, however, until the U.S. Office of Special Counsel, which investigates whistle-blowers' charges, finishes its inquiry into Saucier's firing. As far as SDI goes, however, Col. Simon P. Worden, the program's deputy for technology, calls it "one of the best managed" advanced technology programs in all of government.

Settle stations: Doubte about SDI are not exactly new, however. From the beginning, Defense Department advisers such as

physiciat Richard Garwin of IBM have pointed out that a perfect nuclear shield either defied the laws of physics or relied on weapons that could be easily neutralized by Soviet countermeasures. Defensive battle stations in space would be easily shot down. Missile killeradesigned to pop up into space when an enemy Isunches ICBMs couldn't get aloft high enough and fast enough to intercept the missile before it spawed out multiple warheads. Claims for SDI, says physiciat Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit." Exotic new lasers, neutral- and charged-particle beams and electromagnetic reil guns, he says, all failed to live up to their billing.

ports and data, and deliberately covered up fetal flaws in the systems. Sourcer, chief scientist for Advanced Technology and Architectures for the army's Strategic Elliott Kennel, a former air force nuclear helps for the army's Strategic engineer who worked on SDI in the midDefense Command, concludes that. Said 1980s describes how "by 1987, many of us



cocky whiz kide had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an 'impenetrable shield' and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress a General Accounting Office, released last week by Rep John Congres, SDI lowered itasightein 1987 to discourage, not block, a massive Soviet missile attack. Taxayayers may not

WR330 (cont.)



have realized it, but the billions of dollars were not going to buy Reagan's popular perfect defense. SDI switched course again in 1990 with the introduction of Brillian Pebbles, a program to develop an armada of hundreds of smail orbiting interceptors that would savern toward incoming missiles and destroy them by impact. In 1981. SDIO conceled that Pebbles could protect America only against limited (up to 200 warheads) halliatic missile a tacks from anywhere frend: crazzd-Snddam-type dictators). Changing goals as it went along wesentral to what Soucier calls the main point of SDI: "to keep the research and-development money flowing." That required se-

recy "" and born adtion for the fill distallander and a state annual, year easy to keep it funded."

In fact, SDI has accred a few successes. In a 1990 test, a ground based interceptor destroyed an unarmed missile. Of course the defenders knew when the missile was coming алd from where: deliveries from Baghdad would not be publicized beforehand. The Defense Department denies that SDI's goals have changed, Rather, it says that from its inception SDI was meant to direct a research program that will provide the basis of an informed decision regarding the feathreat posed by ballistic missiles." Moreover, the Pentagon disagrees that deploying a space and ground-based defense system poees significant technological challenges. The complexity of the software required to enordinate Star Wars, for instance, is no more daunting than programs that control nuclear reactors, it says. And in any case, argues SDIO, the system could operate with "minor errors or weaknesses." Of course, a missile defense that "doesn't work perfectly has failed completely," says John Pike of the prodisarmement Federation of American Scientists New makes: How does the

now that the West has wo the cold war? The new justification for SDI is that emerging nuclear powers may not be deterred by mutually secured destruction Even a single nuke from a mertyr-minded nation could bring a holocaust. Star Wars has a better chance against a small barrage than a hoge one, but that does not necessarily justify space-based missile killers. Infrared warning satellites spied every Soud that Iraq launched during the Persian Gulf War. Those satellites. teamed with 100 ground-based interceptors located in Grand Forks, N.D., argues IBM's Garwin," would be simpler and more effective than ... space-based interceptors." In part, that's because the Pebbles must hit a missile dead-on in order to destroy it. Large antiballistic missiles

ABMs) might be more effective. Decount previous Fibbles and of the nuckset, because Least more Fresident Geor-Bush nominated TRW executive Dan-Goldin to head NASA Goldin worked the Brilliant Pebbles contract at TRV

C. C. L. E. T.

The perceived success of ground bass defense in the gulf war ratcheted up to SDI budget. Says a congressional side what followed SDI for seven years: "The T images of the Patriot were worth \$1 billio to SDL" That's how much additional funing Congress voted for SDI last year, after three years of flat or declining appropria tions. Yet a study by MIT's Postol question the Patriot's performance. Writing the year in the journal International Security he argues that the fraqi Scude fell aport, a they homed in on their target, with no hel from the Patriots. When Patriots that spetoward the fragmenting Scude fired their warheads, the fireballs that resulted wer mistaken for hits. His analysis of vides tapes shows that Scuds flew by untouched The army contends that Patriots were 8 percent successful in Saudi Arabia and S percent successful in Israel.

Since Saucier went public, says attorne-Jeff Ruch of the Government Accountabiity Project, 'people have been coming ou of the [SDI] woodwork' with similathergen. There congressional committeeare launching inquiries into the allegations. Saucier has been reninatated in his joi at SDIO pending review of his charger Still, no one believes that a whistle-blowecan bring down Star Wars. President Bush has requested \$6.4 billion for SDI next fix cal year, compared with \$4.1 billion is 1991-92. Yet SDI competes for searce dollars with other defense programs. In an erof shrinking budgets, says a congressiona side, 'the people who are going to kill SD are in the Pentagon.'

DARION BUGLET PT



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## Whistleblower Wins Study of 'Star Wars' Program

plained about what he called wasterus Mr. Saucier's dismissal, and investiind biased research in the "Star gate his allegations.

Wars" program, run by the Strategid
Delense Initiative Organization. Mr.
Saucier, a physical scientist with decades of experience in space research
was shifted in 1987 from a senior management position in the organization's office to a less significant job with the

Ariny.
In affidavits Mr. Saucier has submitted on his disputes, he said his prob-tems with the military boiled over last year. He was dismissed last month by the Army Ballistic Missile Defense Command, which said he had written a flawed report about technologies for shooting down ballistic missiles.

Army Review Under Way

After Representative John Conyers Jr. of Michigan, the chairman of the House Government Operations Com

mittee, objected to the Secretary of the looking into Mr. Saucier's assertions Army, Michael Stone about the distinct Season and the Army temporarily suspending of dollars of duplicative reductions of the Company, the date by which the Army lead of the World Season Se

properly dismissed.
The newest review was ordered on Friday, after the Federal Office of Spe-

wants a delay in the dismisal of a scientist.

1979 to help insure that Federal officials are not harassed when they take unpopular positions or complain about

unpopular positions or complain about waste, fraud and abuse.
Today, Representative Conyers urged Delenes Secretary Dick Cheney to suspend Mr. Saucier's dismissal until all the reviews are Inished. "It would be a travesty to fire someone before Investigating his disclosures," Mr. Conyers wrote.

Mr. Saucier has asserted that for several years, the "Star Wars" program office and its contractors repeat edly made false or misleading state ments to Congress, spent money im-properly and engaged in wasteful and duplicative research while refusing to conduct tests of some "Star Wars

He said the program, repeatedly shifted millions of dollars in research funds from one program to another emphasizing projects that were fa emphasizing projects that were fa-vored by its leaders. This practice, he said, was informally known in the "Star Wars" office as using "Lou.'s" or "taxes" to pay for favored research. Although such money juggling is not necessarily litegal, Mr. Saucier said if was done in a way that Improperly. misled Congress about how money was

being spent.

Mr. Convers's committee is also

properly dismissed.

In the control of the control is favored by conservatives who want quick deployment of a missile defense

Pentagon officials today declined to comment on these assertions while the matter is under investigation.

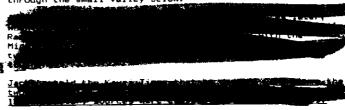
The special counsel cannot itself

overturn Mr. Saucier's dismissal or otherwise adjudicate the dispute between him and the Pentagon, said Lau-ra Blades, a spokeswoman for the counsel. But its order that the Pentagon review the case means that it must be investigated fully and that a report of the inquiry must be approved by 在100mm 100mm WR330 (cont.)

Maybe this missile was jinxed. In January the Air Force tried to launch a Minuteman 1 from Vandenberg Air Force Base to support a Strategic Defense Initiative test

Bile that was retired in 1974, was shipped to a troubleshooting facility at Hill Air Force Base, Utah, where the Air Force spent two months and \$150,000 to pinpoint the blame and replace the suspect parts.

On Friday, the Minuteman was back in its north Vandenberg launch facility and officials again counted down to zero. This time the missile responded with a vengeance. spitting out flames and issuing a loud roar that echoed through the small valley below.



Friday's launch "really went off without a hitch," said James Katechis, manager of the Ground Based Interceptor program. Katechis said the interceptor worked properly and would have homed in on its target if crew members had designed the test correctly.

katechis admitted that the test failure may add further damage to the SDI program's image just as the Bush administration is asking Congress to increase SDI funding 31 percent to \$5.4 billion. But Matechis argued that the test should be viewed as a partial success.

I think it was not a major failure, but obviously the proof of the pudding is an intercept." he said.

atechis told Associated Fress reporters that he'd like at least one additional flight test to prove that the test, in

esvelopment for six years at a cost of \$500 million. "can run, not just stand up and walk." Then he apologized for the whole thing.

getting worrisoms, ser hit some, or the Arms Control Association is the Service of the Arrow system, which is similar to SDI and is partially funded by

the U.S., he said.
"I would say that this is both politically and technically damaging at a moment when the program is at a political crossroads," Bunn said.

Bunn is a top engineer with Lockheed, a contractor in the SDI program.

The interceptor project is central to the Pentagon's plans to deploy sets of ground-based interceptors near Grand Forks, N.D., and possibly at other U.S. locations to protect the population from a limited missile attack. The Pentagon wants to get the first interceptors deployed by about 1997.



WR330 (cont.)

# Responsible Citizens for Responsible Government



### Points to Consider Regarding the Star Wars Programs on Kauai

Public pressure can and will derail these launches. The next step is to speak out at the army's Public Hearing on March 24 and just say NO to missile launches on Kauail KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!

CRISIS AT EBEYE: Certainly one of the most critical issues to discuss when considering Stars/EDX programs is their impact on our neighbors in the Marshall Islands. Forced from their home islands in the 1950's to make way for missile testing, the Marshallese on Kwajalein Atoll are now restricted to a single, tiny island called Ebeye just outside the target zone. With over 10,000 people crowded onto just 65 acres (Kauai Community College is 100 acres), Ebeye Island is one of the most densely populated spots on Earth and has gained the distinction of "Ghetto of the Pacific". Their native lifestyle gone, subsisting on Spam and Budweiser, and yearning for a return of their land and traditional lifestyle, citizens on Ebeye sent urgent faxes to Responsible Citizens for Responsible Government imploring citizens of Kauai to oppose the STARS program. Can we support a program that "claims" to provide a "Peace" shield while inflicting such a toll on our neighbors?



ECONOMIC IMPACT: On Kauai our environment is our economy. The E.I.S. essentially ignores the significant impact on our tourist based economy if there were a catastrophe related to this program.

Responsible Grizens for Responsible Government, PO, Box 1440, Hanaler, Hi 96714 Phone - (808) 826-9005 FAX - (808) 826-7425

## Responsible Citizens for Responsible Government



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Vietness ary defense in ary term, they are the

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EMOTIONAL AND PSYCHOLOGICAL IMPACT: What will the emotional and psychological impacts be to citizens on Kauai as they realize that Kauai has become a primary strategic target? If there is a catastrophic launch? If military escalation continues?

CULTURAL HERITAGE: The launch pad sits on Nohili Dune - the most sacred spot on Kausi to native Hawsiians. As Nanette Slaven Kasumoans pointed out in a letter to the Garden Island:

"It does not matter now many bones are found buried in Nohili dunes. What matters is that burials did occur there because it is the one point on all of Kauai considered the pathway to Eternal Life.

The Army has responded that "through established procedures they will reduce the risk that may occur to cultural resources." Depending on who you are speaking with, those 'Cultural Resources' may be your great-great grandparents. But haven't they missed the point? Nohili dune is culturally significant. It is sacred land. How do you measure 'sacred'? Certainly not with the instruments the Army used to produce the E.I.S.

Responsible Grizzens for Responsible Government, P.O. Box 1440, Hanalei, Hi 96714 Phone - (808) 826-9005 FAX - (808) 826-7425 WR331

Washington, D.C. xesto-1102 Lists

Dear Senator Inouge,

I am westing to today because of my strong not adequately address my concerns for Newell Skenewaters, the whales and the Adders Tongue Ferns. Nor does the ETS address my concern for the people on Karajalein Lagoon at all. Nor does this EIS adequately address what if an accident occupie and all the negative impacts to was done by the Army. Thank you too whatever you can do to stop

WR332 Daniel K. Linouye Dear Tenator I nouge, I oppose the basing of a Hars program on Kauai I fed it will harm our exonomy as well as eause great concern of danger to its inhabitants with the transporting of dangerous materials). Thank you

WR333

Senator Daniel Inouye 722 Hart Senate Office Bldg Washington, D.C.

April 7, 1992

Aloha Senator Onouye,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missle testing on this island. It is simply inappropriate to the character and ambience which this island respressents in the hearts of people all over the world; heauty, harmony and essentially, and especially—peace.

At a time when we are donnating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. It's purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation; those businesses which would prosper greatly from selling the equipment required, and those military personnel who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

Sincerely,

Mirs. Linda Carpenter

P.O. Box 3437 Princeville, Kauai 96722

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Jehator Daniel K. Houge 722 Hart Senate Office Building Washington, D.C.20510

Dear Senator Incure.

i appose the testing of the Stars/SDI program in Kausi. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kausi.

- 1. Endangered marine mammals are gradually returning to their natural environments around Kausi. The numbers of the endanged green sea turtle, the Herveijan monk seal and the humpback whale living in the waters and beaches of Kausi have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kausi's waters to mate and bear their young. The Army's plan to fire 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to shark attack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.
- 2. Native Hawaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent to it to be secred burial grounds. The firing of missiles violates the respect and honor that is owed to this land. The waste materials that would be released into the air, water and earth from the missile launching denigrates this land that is cherished by native peoples.
- 3 Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kausi for the unspoiled beauty of its beaches, verdant valleys, dramatic coastline, abundant marinelife and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marrine life and damaging Kausi's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kayai's airports could result in an estastrophe ( like the Exxon Yaldez, or the misfired missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kausi's economy.

Thank you for your attention. Sincerely, Helen  $\mathcal U$  , Well 1675-2 Makanul Rd. Koloa, HI 96756

Henry F Cooper, Director of STARS · Mayor Joanne Yukimura, Coounty of Kausi Senator Damel Akaka Representative Patay Mink Penresentative Neil Abercrombie Editor . Kausi Times

WR335

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April 8, 1992

Dear Senator Daniel Incure.

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

- 1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
- 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our

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- 3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
- 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missale Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a concientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely.

P.O. Box 930 HANACEI 745 96714

### SCOTT I. BATTERMAN

APARTMENT 305 HONOLULU, HAWAH 96826

April 3, 1992

The Honorable Daniel K. Inouye United States Senate 722 Hart Senate Office Building Washington, D.C. 20510

Dear Sir:

I am writing to you again to express my opposition to the STARS Program. I recently stated my opposition at a public hearing on the Draft Environmental Impact Statement in Lihue, March 25, 1992. I wish to express them directly to you at this time.

There is significant opposition in Hawai'i, and on Kaua'i, to the use of the Pacific Missile Range Facility at Barking Sands as a launch site. This opposition has many different components:

- The environmental impact of the program, including the potential damage to the ozone layer.
- The imposition on the rights of native Hawaiians, including spiritual concerns — shared by others — over the use of Kaua'i for the program.
- The impropriety of using the Pacific Ocean as the target, including the harm being done to the Marshall Islanders — a people who have already paid a high price for our use of the Pacific Islands as nuclear test site.
- Safety concerns over possible launch accidents and the transportation of dangerous materials, such as Hydrazine, over local roads — an option the military has pointedly not ruled out in its DEIS.
- The impact on the tourist industry, particularly in the event of an accident.

Then there are the more general concerns over the STARS and SDI programs:

• Many reputable scientists question whether the goals of the program are at all feasible. These questions have been given greater credibility by the recent revelations that the Patriot Missile did not, in fact, work as well as the White House public relations staff would have us believe.

WR336 (cont.)

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Honorable Damel K. Inquive April 3, 1992

Page 2

 The STARS and SDI programs are extremely costly, in a time of budgetary constraints resulting from massive deficits and significant unmet domestic needs.

Given these concerns, it is time for a careful reassessment of the purpose of the program, and whether that purpose justifies the expense and risk. STARS is part of program designed to guard against Intercontinental Ballistic Missile attacks. But who is going to be making such an attack? Not the Russians: They are no longer our enemies, and want financial aid from us, and our assistance in dismantling their military. Not the Chinese: They are more concerned over losing most favored nation trading status than anything else. I presume we are not expecting an attack from the English or the French, or the space programs of India or Japan.

That leaves a Saddam Hussein-type. But if someone like him obtained nuclear weapons, he would not wait the years necessary to develop an ICBM and risk a launch failure, when small planes or boats are available. Indeed, once the hurdle of obtaining fissile material is overcome, building a nuclear weapon is no major technical feat — we did it with 1940's technology.

By contrast, building an ICBM is a difficult task, involving inertial guidance, materials, fuel, etc. Even then, accidents do happen, as our own failures (both in the beginning of the space program and in more recent years), the failures of the European Space Agency Ariane program, and the launch failure last month in China, constantly remind us. What dictator would wait so long, spend so much, and risk so much, when every night drug smugglers demonstrate how easy it is to sneak a plane into the US?

Given the many concerns listed above, spending billions of dollars for protection from a non-existent limited attack is an inexcusable waste of scarce resources. I urge you, in the name of scientific and fiscal responsibility, and aloha aina, to lead the fight against this unjustified waste of taxpayer dollars.

Thank you for your consideration.

Very truly yours

Scott I. Batterman

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April 8, 1992

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Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

7 moto V. Fernand, 4460 Ikem 9#34 Kalahea Hi 96741 WR338 RAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUMCHES
TO KAWAJALEIN ATOLL



MISTLE WARREAD IMPACTS IN THE EWALALEN ATOLL

19 Marca, 1992

Dear Senator Incaye:

I recently newed a film total 'Home on the Range' This documentary portrayed the history and life of the Kowayalein atoll. The United States military activity and freetment of the native peoples of this area is diplorable. The residents of theye Island (10,000 people squeezed into little more than 1/3 square mile!) do not want anyment missiles lambeel to Knajalian a mere 2-3 miles from their homes. They have uniter a litter of appeal to lamin asking his to do our part to keep more missiles out of their back yard.

Besides the need to protect our health & well-being on Lavai, we also need to, in good conscience, he sympathetic to our pacific neighbors.

Please condinue to support effects to stop the Stars program to support effects to stop the Stars programme to much the Stars programme to support well much, the them I were thousands, HI

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WR339 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL Alex Lenetter " J. Met. Jan with forces were an word westtly and nich Ly suca I was always airna where i much launching to Kikahi likenia Schoon of The risks to non people that I never really thought about that and any environment to ment of many might when I saw the landing of the missile make I will be appealed of the the Transitate of from one has I was apparled the Low there people the was the team invarious of of the mentioned and want to continue this rief temenstitutions it is a decire restored that the music ne degener taction but why at the last of where people's primum respective 30 billion the Clark of our tay money bought a realise things to hist and have lift And the sold wine for the player of there player as the player of the player of the player of the player of the player of the player of the player of the player also help also help also help also helps also he in the There is reported to hat he for get and the first of a state of the second of t streets himmer to the the first fraging and for the first one willing to the sea will be a The most of with the months 11.50 716 march 16 16 I don't feel a good to another Mariette and an entire you.

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Sen Dan Inouve U.S. Senate Washington D.C. 20510

March 27, 1992

Aloha Senator Inouye,

I am writing to add my voice to those who oppose the planned SDI testing here on Kauai.

SDI is a system that won't work designed to defend us against an enemy that doesn't exist. It's outrageously expensive. We have far more pressing problems in America than the development of another high-tech defense system. While no one doubts that there are still dangerous people in the world, SDI will do mothing to protect us from them. Money spent on defense should go to practical, workable systems. Money left over, the so-called "peace dividend" should go to resolving the problems of homelessness, drug abuse, crime, AIDS, pollution, and to improving our educational system.

Please Sen Inouye, vote NO! on the SDI. Mahalo.

Sincerely,

William R. Grier 3787 Ho'ohuki St. Lihue, HI 96766

March 26, 1992

Senator Daniel K. Inouye Room 722 Hart Senate Office Building Washington D.C. 20510

Dear Senator Inouye,

Kauai's environment is our economy. One accident would be devastating to our tourism revnues and real estate values.

Please stop the military escalation on Kauai. We do <u>not</u> want Stars missiles launched from our island.

Sincerely,

Buch Trancisco

B. Fransisca P.O. Box 930 Hanalei, HI 96714 WR34

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The Honorable Senator Daniel K. Inouye U.S.Senate Washington, D.C. 20510

Dear Senator Inouye:

This week I attended the public hearing at the Convention Center in Lihue, a meeting seeking community input regarding the Draft Environmental Impact Statement (DEIS) on the Strategic Target System (STARS) program. I am deeply disturbed.

While the DEIS is substantive, it still fails to address a few issues of direct importance to Kauai. My perception is that, for the Military, Kauai is merely a conveniently located, geographically correct, launching pad for STARS, a program which, to many of us, is of dubious value to the promotion of global peace, and which is detrimental to the Marshallese at the receiving end of the trajectory.

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This issue is corroding the island. The workers at the Pacific Missile Range Facility (PMRF) at Barking Sands equate the viability of the Base to the approval of STARS. Thus, if one is against STARS, one is automatically branded anti-PMRF, an unfeeling person who does not care about the well-being of PMRF employees.

I feel that the beautiful spirit of this island is threatened by the specter of the STARS program, which hangs like a dark cloud over this precious land.

Global peace is desired by all of us. The question is: is the STARS program the way? Should we not seek other ways toward that end?

I beg you to take these concerns to heart.

With Aloha,

Respectfully,

Maria C. Snyden

Maria C. Snyder, M.D. P.O.Box 58 Kapaa, HI 96746

March 25, 1992

Senator Daniel K. Inouye Room 722 Hart Senate Office Building Washington D.C. 20510

Aloha Senator Inouye,

The citizens of Kauai do not want Stars missiles launched from Kauai.

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

Sincerely,

Pamela Palmer P.O. Box 238

Hanalei, HI 96714

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To all Hom IT May Concorn,

T RECENTLY RELOCATED TO KAUAI HAWAIT AND WOULD LIKE TO EXPIRE'S MY OPINION CONCERNING STAR WARS MISSILES. I F O IT HEHLY OFFENSIVE THAT OUR ECORDAMENT WOULL DEEM IT NECESSARY TO SHOOTS THESE EXPERIMENTAL ROCKETS, KNOWING THE APPARENT SIDE AFFECTS THAT WE MOULD BE EXPOSED TO IN THE AFFERMATH.

AS A CITIZEN OF THE UNITED STATES I STRONGLY SUGGEST THOSE REDRESENTING INVIDENTICAL BELIEFS TO VOTE AGAINST THE STAR WARS ROCKETS.

SINCERELY -

LISA K ROSS PO BOX 1263 KOLCA HA 96756

## (AUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN TH

AND A STOP ON STAR MISSIL LAUNCHES FROM PARF

tucio hiami

WR346 I am a correst resident of Kawaii and lived on the island for the past ten years. I was truly uninformed about the proposed Star Whrs Missle testing. Some how it did not sound right to me, so I had to get intormed. Kuyai is a small island, a small inhabited island, with people living on it, although I quess humanity is not an issue here. After all Look what we've done to the 10,000 Marshall Islanders who were taken off their land, only in Later years to suffer diseases, suicide, and death. I ONE human error and then what's to say about the economy, the vegetation, the life that still remains one of the only places left that is still unspoiled! Kewai has always been a very spiritual place thou me. The seed and been through alor here. It is a testing ground for one souls not for missles. How latere we allow launches off the sacred grounds of Nohili Dute ... Obpiously Capital Hill does not know about the power of this island and its / HiwaiiAN I beg of you to stop this maduess before it begins RIGHT Now!

March 27, 1992

Senator Daniel K. Inouye Room 722 Hart Senate Office Building Washington D.C. 20510

Aloha Senator Inouye,

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

The citizens of Kauai do not want Stars missiles launched from our island

Sincerely,

Joseph Thomson P.O. Box 238

Hanalel, HI 96714

WR348

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Deer Senator Inouge,
I recently went to the EIS
Star Wars Hearing on Kava: (where I
reside).

In short please note that I am opposed to the plan to test Star wars. It is my opinion that it is unhealthy for our environment and out of step with events in the world and our horrendows budget deficit.

Malyon. Edward de Des De

DR. Edward de Deo D.C. 3707 Omzo Rd Kolon, H: 96756 Respectfully referred to The Hornerable Daniel Incucy

(unacknowledged)

WR349 (cont.)

Acren 9, 1992

Dear Senator Nunn,

I live on the island of Kauai and am the mother of two young sons. I would like to see the STARS program stopped before it begins.

The reasons are clear, we here on Kauai have a clean pristine environment and are working to keep it that i. The STARS program is a threat to this. No one can say what will happen if these 20 year old missles are launched, but the experts agree there is a 50% chance of misfire. Along with human error, other mechanical failures, spills, leaks and spewing of rocket fuel onto our air water and land, I hope you can see the senselessness of this project. I am not against arming ourselves and protecting our country. Please do not let this or any of the planned missle launches happen here on Kauai. This is a vacationer's paradise, and our main source of income. (I meant to say tourism is.)

Isn't there some way the armed forces can dis-assemble these rockets (missles) and re-use the parts for something else? I have a feeling that this project is geared to getting rid of those things. Yes, I know about the EIS study, but as far as that goes, I haven't much faith in that report.

Please do what you can to stop the STARS program from starting on Kauai. I would not feel safe living here any more if this foolish game is allowed, did I mention dangerous? Thank you for your time and attention to this matter.

Sincerely, Letter St. St. 199-19 Kuhrte St. 189-19 Kuhrte St. 18946

2-30

Hicha Jeneik - Incaye,

3707 OME Kot Kolon, MI 16/186 April 4, 1792

I am a resolut of Kavai. intil oggose Launching STARS missiles from Kavai. I also oppose the entire STARS program.

- 1) You requested an independent EIs and be penformed for Baiking Sands and The trany conducted their own EIS. If they want even follow Your regrest for the EIS, what else will They do independent of control?
- Program is no longer occurring. It this system anymore.
  - 3) Given our present economy, it is facilist to spend billions of dollars on a project that is not necessary and very probably will not be effective
- 4) The potential for ecological harm to Kowai, which directly causes acomonic harm, is too great

Please appose this project with all the powers you have available.

Sincerely Richard Sherman

WR351

CHARLEY LOVE PO BOX 1541 KOLOA, HI 96756 (808) 742-6864

SENATOR DANIEL INOUYE US SENATE WASHINGTON DC

DAN;

STAR WARS MUST GO! I JOIN THE RAPIDLY GROWING NUMBERS OF KAWAI RESIDENTS IN OPPOSING THE VERY THOUGHT OF ESTABLISHING A TESTING AND/OR OPERATIONAL BASE FOR SDI ON THIS ISLAND. MY REASONS GO FAR BEYOND CONCERNS FOR A SMALL AND FRACILE PACIFIC PARADISE. THIS IS A SMALL AND PRECIOUS WORLD AND IT IS BARELY TIME FOR US TO COME TO OUR SENSES AS A NATION, AND REALIZE THAT IF WE ARE TO REMAIN A WORLD LEADER, WE MUST PRACTICE HARMONY RATHER THAN DOMINATION. WORLD ORDER WILL NOT COME THROUGH ACTS OF WAR! SDI IS A FLAGRANT DEMONSTRATION OF POWER MANIPULATION BY PROCOLD WAR STRATEGISTS WHO ARE SAYING THE COLD WAR IS OVER OUT OF ONE SIDE OF THEIR MOUTHS, WHILE TRYING TO FOOL TAXPAYERS INTO FEARING UNSEEN MONSTERS WITH THE OTHER.

IF MANKIND IS TO SURVIVE, WE WILL DO IT BY PUTTING OUR ENERGIES INTO CREATIVE ENDEAVORS, IF THE UNITED STATES SURVIVES, IT WILL BE BY DEMONSTRATING OUR WILLINGNESS TO LIVE IN HARMONY WITH ALL NATIONS AND ALL PEOPLES. IT'S TIME TO PUT IT ON THE LINE.

YOUR'S FOR A BESTER WORLD

CHARLEY LOVE

2

Hunorable Senario Inonye U.S. renate Washington, D.C. 20510

Dear Senator Junye, concerned and my heard Peels begay for various reasons. Janu born , raised like in Hawaii Jam 52 years old, a wife, a Mother, and a civizen of the planet. The issue that is causing me sudo concerio is the proposed Star Wars Testing launches on their island - and the division Occuring annuged the people regarding this issue. This division was so apparent of the heavings - as a mother of steward of the Eartho planets, I am saddened by sade deep Jamily fights! So cee this garden island dangerous polaris missles. Further, the furthery Stars missle systems seem a waster of tar money, considering the recent duelopments in Europe & the South liniar. 115 valy island be imparted the oceans around in will be, as well as the target area the Marshall Islands. The role we abusing there have played in regards ₹O.

WR352 (cont.)

a natimax umbarrasment. islands is 15 ow you - There ched go Hawaiiaw lands, on which PMRF at mana. We need to presence this special alupua'a as a valuable 240 our children, our fixare -Please, Senatus, use your power as Defeuse appropriations Committee head of the stop the proposed kanai missle programs - NOW. Senator Snowye, Ja Senata Juonye, Jan a calm, reaceful parson - The extreme what is feel, with proficed + the impact on this ting island + its people, is unusual be heard me . I want to There is a tumulduous voice arising in their land - their nations Saying "Enough!" Caw "big government hear? Listen please to the feelings of the people as well-those from the that come Kespeet July ana Price Box 1139

Kala keo, HI 9674/

SENATOR DANIEL K. INDUYE
722 HART SENATE OFFICE BLDG.
WASHINGTON, D.C. 20510-1102

DEAR SENATOR THOUSE,

I AM VERY MUCH AGAINST HAVING THE STARS PROJECT ON KAUA! KAUA!'S BEAUTY AND ALOHA ATTRACTS THOSANDS OF VISITORS FROM ALL OVER THE WORLD EVERY YEAR. HAVING A MISSILE LAUNCHING SITE ON THIS ISLAND WILL DRAMATICALLY CHANGE KNUATI'S IMAGE AND WILL NEGATIVELY AFFECT OUR ECONUMY WE ALL DEVEND ON THE VISITOR INDUSTRY AND TURNING KAVAL INTO A MISSILE SITE WILL TURN VISITORS AWAY. PLEASE PROTECT OUR ISLAND'S BEAUTY AND ECONOMY NO STARS ON KAVA! SINCERELY ANNE ENGLISH P.O. BOX 1280 KARAHEO, HI 96741 WR354

Date: April 9, 1992

To: S. Shibao, M. Cummisky

From: S. Shihao

Kathleen Strard

p.o. box 397

Hanalie, Hawaii 96714

808-828-1804

She is against Stars Program, she felt that it should be more public for the people to get in volve with it and that it shouldn't be only the decision of the defence. Wants a response.

PATRICIA B. SPILLANE P.J. BOR 572 KALAHEO, HI 96741

April 6, 1992

The Honorable Daniel K.Inouye Senate Office Building Washington, DC 20510

Dear Senator Inouye:

My credentials: I'm a 72-year-old Mainland-born, caring voter who believes that my vote counts. I've voted in every election for which I was elegible since I reached voting age. I've cast my vote in every primary and general election on Kauai for over 21 years, including one absentee ballot.

I ask you to speak for the many citizens of Kauai who fear the impact of the Stars program on our "laid back" island.

Many of my friends work at PMRF. I do not want their lives as well as mine to be in jeopardy.

My plea is from the heart--others will surely provide you with all the statistics.

Please bring your far-reaching influence to bear for those who champion a Garden Island without Star Wars.

Sincerely,

Patricia B. Spillanz.

WR356 Straton Inouge 3/31/92

Please Lelp us stay to military
person sucheting the STARS Missile pagam on our beautiful Island the majority or Kovai Residents de not want it here. Please need my coral testancy present last week at hemory in Lihre.

RE: STARS, STRATEGIC TARGET SYSTEM DICATT ENVIRONMENTALIMPACT STATEMENT

Oral Testimony presented Wednesday, March 25, Kauai War Memorial Convention Center Given by Gabriella Taylor, 5620 Keapana Road, Kapaa, HI 96746

I come here tonight as a 20-year resident of Kauai who cares about the quality of life on our beautiful island. For that reason, I am against the STARS Missile Program. This island is a place where hundreds of thousands of people come to rest, to rejuvenate, if you will, to heal mentally and physically. Therefore, I speak tonight also as a health professional.

I feel that the presence of a STARS Missile Program on this island would represent the hand of death, a sinister shadow hovering over this life giving island. I would like to quote from the STARS Environmental Impact Study, pg. 4-57 through 4-59, referring to the effects of rocket propellants on the human biological system.

"Hydrazines are toxic and corrosive to the skin. In contact with rust, the liquid may auto-ignite at temperatures as low as 73 degrees Fahrenheit and present a very serious fire hazard. Hydrazine is a suspected human carcinogen. Besides liver damage it can cause pulmonary edema and damage to lungs, kidneys and blood.

The propellant, nitrogen tetroxide is highly corrosive to human tissue: Its vapors may cause permanent injury, primarily in the form of burns to the tissue of the pulmonary tract."

I am horrified to think of the possibility that such poisons would be transported on our island roadways. For that reason alone the STARS Program is contraindicated for the health and well-being of Kauai's people. There are many more reasons, however. The program should be stopped because of the detrimental effect of freon released during the launch. It would further destroy the stratospheric ozone layer which protects us from UV rays that cause skin cancer. The EIS does not deal with this problem adequately. The EIS should not be used as a document to decide the fate of the STARS Program.

How would the military feel if the EIS was done by the Mayor's office or perhaps the Sierra Club of Kauai? Any viable and credible study must be done by an impartial party not attached to either side. The EIS as it stands is not acceptable.

I want our Garden Isle to remain the gift of life and health to residents as well as visitors from around the world.

I say no to STARS Missiles, no to death. I say yes to life - Yes to Kauai!

Aloha Cabula Tigle

WR357

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March 26, 1992

To the Honorable Daniel K. Inouye,

I am very concerned about the proposed Star Wars testing  $\mbox{\tt launches}$  from Kauai.

I am most concerned about the safety of the transportation of the hazardous fuels, safety zones around the site, environmental impact to the target islands and the conditions of life and compensation given to those individuals whose land that is being used.

I appeal to you to insist upon unbiased objective professional and thorough assessments of the environmental impact of such a project. I appeal to you to consider the implications of these actions in regard to the history of other such projects that have had some benefits and disadvantages.

From as much information as I now have I am opposed to having the test launches conducted in this way. I do not want to reject the good that may come of this project or discount the good that already has. I do see a potentially unifavorable impact resulting from the project; it makes no compensation to the Hawaiians or the state for land use, it will contaminate water, land and air greatly. I do understand that sacrifices need to made in all decisions and that nothing is all good or bad. But I do want decisions to be made with informed consent and conscious awareness.

I pray for us all to make the best decisions in caring for each other.

Thank you very much,

Thauringin Zanan

Maurizia Zánin /

PO Box 738 Hanapepe, HI 96716

Senator Daniel K. Inonye U.S. Senate Washington, D.C. 20510

Dear Senator Inonye:

Enclosed is a copy of the presentation I made at the EIS Hearing re STARS.

As Chairman of the Defense Appropriations Committee, you have the ability to stop funding on this wasteful, both to the envionment and the budget, STARS appropriation. As our Senator, you are, I know, concerned, as we are who live here in Kauai. Please, please use your influence to stop funding for STARS and move the appropriation to another, more beneficial, use.

Mahalo nui.

Sincerely.

Carmela Tuck

P.O. Box 276 Koloa, Kauai, HI 96756

(808) 742-9618

WR358 (cont.)

Deputy Commander U.S. Army Strategic Defense Command P.O. Box 1500 Huntsville, Alabama 35807-3801

Attention: CSSD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Envioronmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is as unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missle testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion. we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease exist if that happened as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missle misfires or goes on an incorrect trajectory. What if it hits Nihau, or falls over a populated area of Kauai. The greatest casulties our nation suffered in Operation Desert Storm was from our own Patriot Missles and the debris that fell on the barrocks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Niihau.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and aparthoid. If you have not seen the film "Home On The Range", please do so. It is a testiment to our failure as a nation to respect another nation and its people. We take pride in our nation

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#### WR358 (cont.)

and leed we do ampair. It is going and collow the Golden Rule to treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns.

Sincerely,

Carmela Tuck P.O. Box 276

Koloa, Kauai, HI 96756

(808) 742-9618

WR359 7 5-72 Senator Daniel Inque United States Senate 122 Hant Senate Office Blog-Washington, D. C. 20510 Re: Stars FIS Dean Senator Dear Senator,

First of All, I do support the Pacific Missile

First of All, I do support the Pacific Missile

Range Facility Banking Sands. However, I do not

support Stars SDT because:

support Stars SDT because:

of an accident we have no reasonable evacuation

glan in case of explosion on the launch gad.

21 The RIS for Stars did not adoptable address

the gitential negative environmental impact this

reason may have. Bengam may have.
3. The Ahreat to one towns industry in the 2 event of a mishap. EDX testing are having a 4. The Stars and EDX testing are having a negative impact on social cultural and ecuieur mental resources of the native peoples of Marshalles Island of Kwagalern and native Hawiians who have similar concerns. 3 Hawisans who have similar conceens
5. Our national budget cannot afford this
pageam. SDI makes no sense today, as we no
longer have Russia to worker about. SDI as you
know is an offensive and not a defensive system
I ask that you do not fund the SDI grappen.
Thank you for your consideration. 1610 MAKANU. Rd.

Kolo4, H. 96756

HONORPOLE SEVENT INDIVE U.S. JENETE UNSENTON D.C. 20510

DEAR SENABR INONYE I AM WRITING to you to day because OF MY GREVING CONCERN ABOUT THE STARS PROGRAM. Its duly been sime the Regar - Bush PRESIDENCE THAT THE DEFECT PAS GONE OUT OF SIGHT, THE Perject should be stoped for this renson monte. 30 billion, nothing to stou Forit. 30 billion. And Another 40 to 75 billion wooded, you wand to STOP YHIS ROWSELLER NOW! BALANCE HAS DEFECT! Stars is Designed to stop intercontinuenal 361572 MISSELS, FOR A COUNTRY to come up with aw ICEN is Equivent to Aning their our speck PROFETAL WHICH tokes years of RESURCH & billions of Collegs, WHICH titlementing country Nas THis Kird of technology a money? IF think is a thread to one country it went be coming on AL ICBM. STOP HIS WAST OF TAX DOMAR Spending I Am A property owner of the Island of their WHERE the Army is YHERATOUR to LAUNCH IS HIME A YEAR FORTHENEXT IS YEARS, I STRONGLY OPOSE +14 is Stros test programm, and where you to we your COURS to stop this threat to our sacred and EXPOSE WALLEN ISLAND HOWE. THE LAUNCH PROSITS PIOHILI DUNK MOST SHERE SPET ON KAUR. TO MY ligarious, it is considered the relaining to Eter I think you know How culturally sign. Land our Marking Ich ids par 100 KALL FRACIONS & TELEVEN OUE ACCIDENT

### WR360 (cont.)

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YRAR OF FRENCH 114BL THAT WIS BE RELEASED INTO OUR
ATMOSPHERE, BROMINATED FUNCTORROW DEPLETES THE
OZONE LAYER, WE MUSTACT TO PROJECT OUR OZONE LAYER
DOWN WELLAUE OUT TO BE TOWN RESPONSIBLE FOR OUR
WULKERMBURGE INFRESS FOR FUTURE GENERATIONS TO
COME.

Dreaf the road critical issues concerning Stars Livered is the Marshall Islands and the prople Livered on the island of Ebre. There prople yearman, for the 18th of Ebre. There prople yearman, for the 18th of the four lifesthe. Ook Government is going to true to Auswer to this to years of the betto of the sail.
How can we suffer a progressom that Elricis to provide a ferm shield while inflicting such a son our neighbors in the Marshall Islands So its with these frets that I urbe you to take fection in on the stars progressing of the terminal of the terminal of the terminal of the terminal of the terminal of the terminal of the terminal of the terminal of the terminal of the terminal of the terminal of the difference for known.

I'm isosaw to will a superchan on this progress.

HAMKYOU
FORM MCHEURY
TOTAL

2-31:

I am writing to you in regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are;

- 1. STARS is not safe.
- 2. STARS is damaging to the environment.
- 3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many mated scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

WR361 (cont.)

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hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for ATDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scraped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

Digid Mc Duck

Brigid McBride

P.O. Box 1476

Kapaa, Hi. 96746

April 2, 1992

### INSTITUTE FOR SPACE AND SECURITY STUDIES

5115 Highway Ala South, Melbourne Beach, FL 32951, Tel. (407) 952-0600

Mrs. Patriels Sertes Nov. John Servey Sec. Thomas W. Milwes, Jr.

ABYLOOMS & PRLIMES 🗀 Tipe Admiral Sant dayles U.F. Pavy, ratived Heler Compret Jame Eight U.S. Alf Perce, retired Urinadier General Jacob D. Mone C.S. Marine Corpus, rubbred 14. Col. Lavers A. Tologo (A. Ou). Josk mease U.S. Reying Corps, retired Colonel Peter B. Mayor S.A. Air Peros, retired Hear Admirel Relph Voyameth U.S. Wavy, ratired Solonel East E. Parret, Pa.S. U.S. ALT Force, cutiful Companier William H. Withrom W.E. Pavy, retired Colonel Sevid T. LaPolletta U.S. Air Force, resired Ambansador Kartes Clevelord K.H. Musphrey lastituse Bishop Leroy Hatthlesus D)ocoss of Ass.1110 Pichap Thomas J. Combinion Probationess of Detroit

Pear Adults) Regard J. Carrell, Sr. U.S. Savy, rutived of Brigadiar General House A. Brankey U.S. Air Fusts, votiped ic. Col. C.A. (Sud) Barbor, Jr. E.S. Air Setional Suard, retired br. maretd dendler Stief, fin-Redient Basepret, EASA Professor Sabart von Pagambardt Savel Fostgradunte Subsol Dr. Hope Corite Laurence Liverages Laborato Professor Esympto Setus, Delumbia University Amberesdor umbert buchasis Pormer Commissioner, Scc Dr. John Casení Jet Propulsion Laboratory Dr. H. Kimbell Jones How York City Professor Amatrica Williams Professor Esets Taipin Esesechusetta Inst. of Yesh Professor T. H. Dunature Smireralty of highingen Professor Bugons H. Lavy University of Arisans Professor Phillip Herrison Assesshusetts Inst. of Tech William Kinesid Arms Control Association Mindaey Mattison Contes for Development Palicy morge Actor Mesiness Executives Nove Sandwarer Lawrence C. Jones Camedin, Fee Tabland Studensor M. Maraina University of lancaster, B.E. Professor Peter Finding University of Vienna, Austria Preferent Kireski Ochiai Taba College, Japan Sp. Aly Kadek Read, of sel. 6 Yeah., pyypt Professor T. R. Timmet Terhnium, Issael

Dr. Robert M. Bowman, Lt. Col., USAF, ret.

Dr. Robert M. Bowman is President of the Institute for Space and Security Studies. The recipient of the Risenhower Medal, the George F. Kennan Peace Prize, the President's Medal of Veterans for Peace, the Republic Aviation Airpower Award, The Society of American Military Engineers Gold Medal (twice), and numerous other awards, he is one of the country's foremost authorities on space, the environment, and international security matters.

Until July, 1982, Dr. Bowman was Vice President of Space Communications Company, and before that was Manager of Advanced Space Programs at General Dynamics. From 1976 to 1978, as Director of Advanced Space Programs Development, he controlled about half a billion dollars worth of space programs for the Air Force and other Department of Defense agencies, including what are now the "Star Wars" programs. Included in his responsibility were all the High Energy Laser developments for space, the development of advanced surveillance spacecraft, including radar and infrared satellite systems, and the development of advanced space vehicle subsystems (computers, solar panels, gyros, thrusters, batteries, attitude control and navigation systems, etc.). During this period, Colonel Bowman also worked on space doctrine and strategy and established cooperative programs with other agencies.

Some of Dr. Bowman's previous positions were Deputy Director of Ballistic Systems (where he designed advanced ballistic missiles and warheads for all the military services) and Head of the Aeronautical Engineering Department and Assistant Dean at the Air Force Institute of Technology (where he initiated the Space Systems Design curriculum). From 1971 to 1974, Colonel Bowman was in charge of aeronautics for the European Office of Aerospace Research and Development in London, where he was responsible for Air Force and NASA contracts in Europe, Africa, the Middle East, and Southern Asia. He is a graduate of the Armed Forces Staff College and the Air War College. His military career included 101 combat missions in Vietnam, took him to 34 countries around the world, and resulted in some two dozen decorations.

Dr. Bowman is active in national and international professional societies and has chaired eight major conferences. He has preached at the National Cathedral and at churches of many faiths and has lectured at the National War College, the Army War College, the United Nations, the Industrial College of the Armed Forces, the Air Command and Staff College, the Congressional Arms Control Caucus, numerous ROTC units, and the House of Lords. The Los Angeles Times called him "probably the best public speaker in the country." His Ph.D. is in Aeronautics and Nuclear Engineering from Cal Tech.

An independent, non-graft, sur-manner, publicly-supported organization devined to research and educational activities in the science and strategy of individual security.

WR362 (cont.)

Lt. Col. Robert M. Bowman, Ph.D., USAF, ret. Institute for Space and Security Studies 5115 S. Ala Highway Melbourne Beach, FL 32951

March 24, 1992

U. S. Army Strategic Defense Command P.O. Box 1500 Huntsville, AL 35807-3801

Draft Environmental Impact Statement (DEIS) Strategic Target System (STARS)

Dear Sirs:

As a former Director of "Star Wars" programs under presidents Ford and Carter, I have been asked by citizens of Kaua'i to comment on the Draft EIS for the STARS program. My comments are attached.

Sincerely,

Lt. Col. Robert M. Bowman, Ph.D. President, ISSS

Attch: Comments Bio

Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April . 4, 1992

ddress	City (Shake / Zin Code
ame	
	Kilauea, HI 96754
	PO Box 737
	Susan Galley
	Chron Gaily
	Sincerely,
Please help us to stor	these launches.
in demonstrations bloc	king their launches.
opposed the these laun	iches. And would be willing to put my self on the line
the high possiblity of	an accident; I can understand the militance of those
However, after having	researched the type of missles, and their AGE and
I understand the need	for a strong defense, and am NOT opposed to PMRF
opposed to the Stars P	
	you know that I and every one I know are <u>strongly</u>
Dear Senator Inouye,	

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville: Alahema 35807-2901

WR364

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#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

war, we don't live in the stars, we are here on our planet, we are not at har in the stars, we have no the stars, we all want to him in peace. He and you. There is no place on this planet where there things are right to do. It suicide, burright to live.

Is at stake. Do you wish to die in a nuclear war? Because that is what it is all about. There must be good work to do instead of this business of self
Name annihilation. That how I see it.

Address Lynn Praggiony Pobox 15to Handlei.

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

/R365	
	Written Comment Sheet
	Strategic Target System  Draft Environmental Impact Statement
Thank yo comment	ou for attending this public hearing. Please use this sheet to provide us your writter is on the Draft Environmental Impact Statement for the Strategic Target System.
	ALLS FAIR IN LOVE
	ANDWAR
	PREPARE YOURSELVES
	FOR THE WILL
	OF THE PEOPLE,
Name	
Address_	Street Address City/Shate/Zin Code
	Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Hunswille Alabama 35807-3801

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN TH

Dear Senator Daniel K. Inouge.

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u.s. "Starwars" program testing of

missiles has distroyed the way of

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Ebeye 10,000 people on a 65 acre

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this horrible above of human lives

and Nature and will do everything

and Nature and will do everything

in my power to stop it I hope

in my power to stop it I hope

to do the same Sincerely.

P.O. Box 1494 Nanala, H. 96714

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

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her human rights. For graph on he knagation Tol.

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KAPAN, 111

WR368

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN T KWAJALEIN ATOLL

1-1.42 22-97

DEAR SENATOR INOU'TE, I WAS BERN & RANSED IN HANAU + AN 1/5 YEARS OLD. I AM COUNTING ON To Do EVERY THING you Pass, Bly STOP & ELIMINATE THE HORROR OF STARS' LANNCHES - BOTH FOR THE SAKE CF MY HOME ISLAND & FOR THE HOME ISLANDS OF THE HARSHALLESE PROPLE I will SUPPORT YOU ON THIS IN ANY WAY THAT I CAN, PLEASE SENSE THE URGEN DE THIS SITUSTION & STOP STARS LAUNCHING + FESTING IN OUR PACIFIC RESOURCES. MATHALO AME MALAMA PONO 1A DE. LAKE MORTON P.O Brx 387 Handlot- Kausi, Hy 9671X

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MORE WARREND MPACES IN THE

SENATOR INOUR

Please Stop ALL MISSILE LAWKHE

ON KOUA, - we wise not be used

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another morion.

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THE human disreguland
The the U.S. Gove has Robert
done to our netenders on PC. BX
KWAJALEM !!

Sincershy Clarky Robert C. LAYER PC. BX 867 KICHUEN, H., 96764 WR370

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARMEAD IMPACTS IN TH

Dear Sir,

I HAVE SOST SEEN A DOWNWARD HOME ON
THE BADGE" ABOUT SHEMISSIC LAUDGES IN THE MARSHILL
ISLANDS. I FOUND IT MOST DEPRESSING. IT MAKES ME
GOVERNMENT BE SO CRUEL?

ITS TIME TO POT A STOP TO THIS SOVET OF THING I WOODE TO WORK TOWARD SA MORATORIUM ON MISSILE LAWNES ON KWAYALETW ATOLL. AS WELL AS PREVIOUTING ANYTHING WE STATES TO HAPPEN ON KAWAY OR IN HOWATTORIUM THE WOODE WITHER ARE AT STAKE THANK YOU FOR YOUR TIME.

HEIDI FARWAL POPOX SA KEAUAHA 96751



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

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There higher the home for the former higher the former than former the the

WR372

1. SDIO/SDC and DOE all studied the Polaris A-3 between 1984 and 1985 as one of the boosters to be used in connection with placing Dr. Edward Teller's recommended devices in space to counter the Soviet ICBM threat. As a result of these early studies, contractors reported to SDIO/SDC/DOE that the Polaris A-3 booster would perform reliably only 40% of the time. Following these results, as I recall, the Navy and supporting contractors were able to increase the failure rate of the First Stage and Second Stage modestly, but their Vu-graph presentations did not demonstrate a success rate of greater than 50% in 1985. These results were all based upon data obtained from tests conducted between 1960 and 1964.

The reason for this high failure rate resulted from the tendency of the booster's nozzle to stick a few seconds after launch. This problem destablized the booster causing it to pitch and roll seconds after ignition in a manner that made it impossible to recover stability through a yaw (a roll-out maneuver). Although the Navy had reported to us in 1985 that it had resolved this problems as early as 1964, the contractors who briefed us provided contradictory evidence and data that made it impossible for us to verify the booster's actual reliability.

We faced both the uncertainty of assessing a booster developed twenty-five (25) years ago, but also had to consider the effect that extended storage—for a period of years beginning in 1967-may have had on these boosters. We have to face the fact that each of these boosters could behave differently. See: DRAFT EIS for STARS, pp. 2-15, and 2-16. Given this unpredictability these boosters must be considered potentially dangerous, especially because this is a sea launch SLBM that does not have a good track record over its lifetime.

1

Given the fact that we have not established the booster's reliability after all of these years, the costs and effects involved in implementing the proposed STARS program

1

#### WR372 (cont.)

must be considered uncertain. Ironically, part of the Navy's interest in disposing of these boosters reflects the costs of continuing to store them. This rationale, however, does not support their contention that they have fixed the problems described above or can now assure us that the booster is now highly reliable.

2. I note a number of significant inaccuracies on the SDI/SDC EIS report, pp. ES-2, 2-16, and 4-8, in which the composition of the solid propellant is presented. I amended SDIO/SDC/DOE and contractor briefings in 1984 and 1985, and I recall that the company presented proprietary material describing the composite in the solid propellant that causes its exhaust gases to be extremely toxic and highly corrosive to many substances. The exhaust also condenses in a moist atmosphere and forms a dangerous fog (white powder). With winds blowing East to Southeast, if a Polaris A-3 had to be destroyed a few seconds after launch, the toxic exhaust gases described could not only harm the island of Kauai, but would also pose a threat to the other Hawaiian Islands. The impact would depend upon the atmospheric climate conditions and ocean currents present at the time of the aborted launch.

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3

4

- 3. I also note that the sections of EIS for Stars assessing noise, pp. ES-6, and 3-39 to 3-42, and 4-40 to 4-43, appears inconsistent with data that I have seen on the Polaris A-3 type boosters, which has a design similar to the booster proposed for use in the STARS program. Data that I have seen indicates noise and sound pressure levels (which are not well covered in the EIS report) of over 150 dB's for 6 10 seconds duration during launch up to 1000 meters. The threshold of pain for individuals is 140 dB's at 1000 meters. In contrast, normal room speech entails noise at the 60 dB level. Therefore, the data presented on page 3-41 is particularly questionable.
- 4. I must regard the HIS analysis of alternative launch sites and launch vehicles, pp. ES-2, 2-34 to 2-38, as the worst glossing over of a significant EIS requirement that have seen in 23 years of work on space vehicles, ICBM's and ballistic missile defense. In order to reach any supportable conclusions about alternative launch sites and launch vehicles, these sections of the EIS will require major rework.

In conclusion, the significant technical problems I have described in the Polaris A-3's technical design require major overhaul and testing to insure the booster's reliability for use at the proposed launch site. Given the lack of evidence supporting this missile's reliability and its known toxic exhaust gas properties which can clearly endanger inhabited areas, I suggest a new study under the leadership of an experienced SDISDC program manager. Until that time, the Polaris A-3 booster should be rejected due to its past track record, which the Navy and its contractors have not accurately presented to the public in this SDISDC EIS draft report.

WR373 P.O.Box 730 Kilawa, Kami FROM THE DESK OF JUDY L. JORDAN, M.D. Dear Senator Inougy, I would like to longe you to do whatever you can to disconnage any Missill launcher on Kanail.

Of all the places the US Military has for these launche surely kauai red not be the place - an island inhabitants within close range that cannot easily be evacuated a glace dependent on tourism 2 lane roads for transport. You well know all the details of Kawar. in areas more suited to such things PMRF-yes. Stara tauncher ar any other-NO Thank you for your consideration Aloka Trab. Fredan

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## KAUALI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

Dear Benedier Allaka -Ande I gim very concerned about the Juture of ranai. The Bland is already felling the impact of people, ears and their big products of waste. The star war: program will only compound these problems much more. I alm very very opposed to star wars on kaudi. Tuothing robusts that are do yes and stem Kanail, the thought sides me to death! The ocone depicion is a very senous is suc for us on kanai, star wars will only compound it. I'm now very concerned about the naturalist chemicals that the program would Subject our filed to uning a rare, tush nopical ished as a lauxching pad for antiquated + dangerour polaris misses to really abound, Please Should Becky Manifelled hup to stop it

WR375

Deace, in an of itself, is an Art. No. 501-30 -7 april 1992

U.S. Senate Senator Drouge Washington, D. C.

Real Senator Drouge:

"No Star Wars operations on Kausi."

La The light of The world, especially the U.S.A, crisis, it's trine its consider extragolating the banking war, reclaime industrial rater
The banking war, reclaime industrial rater
The banking war, reclaime industrial rater
Me towall of me The world's surrival problems: Luman a correspondent of power a superb sola: energy plant of power of The island. From MIC CONVERSIO. for The island. From MIC CONVERSIO. I see island is essential. I suit mulitary and circlian is essential. I suit mulitary and circlian leadership is accessed to Think-tank!"

Leadership is accessed to Think-tank!

Jeach other as a nature to one loses!

Jeach other as a nature to one loses!

Leventure Dierrich, beseph R. Schlichte. • Desadont, Barl Bissuper + Vickfreigeben, Maniet Carter
P.O. Box 105 Henalei, Hawari 36714 | 1808 8. 7518 • 1510 Brookview Drive Stimen, Ohio 44450 | 216.332140

Secretary: Feed-stage, Rulines origing, CDA + Program Developer, Laura Drivell.

60 Wooster Street New York, New York 10012 - 7337 Holiday Road South Jacksonville, Florida 32218 1 904.724.5885 Hold Representatives, Amor Sch. Depoling Constight • Logal Connect Childred Case III, Am

2-323

APRIL 4, 1992

THE HART SEVATE OFFICE BLOG WASHING TON, D.C. 205:0-1101

#### DEAR SELUTOR

THUR YOU VELY MUCH FOR YOUR CEFFORTS WHICH ULTIMISELY CAUGED THE M.S. ARMY TO PRODUCE THEIR DRAFT EIS REGARDING THE PROPOSED STRATEGIC TARGET SYSTEM MISSILE CHINNELLS: FROM PART ON KAMAI. I AM, HOWEVEL, DISSATISFIED THAT THE ARMY PAILED TO CONDUCT AN INDEPENDANT STUDY AS THEY MAD AGREED. ASIDE FROM THIS, THE EIS CLEARLY SHOWS THAT THERE WILL BE SIGNIFICANT IMPACT TO THREE GUDMUGRED SPECIES AS WELL AS TO THE ENVIRONMENT, EVEN IF ALL GOES WELL. THE POTENTIAL RISKS OF DUAGE TO THE ENVIRONMENT, EVEN FRAILE TOURIST-RISED ELONOMY ARE SUBSTANTIAL.

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I ASK YOU TO REPRESENT ME BY OPPOSING THIS PROJECT IN EVERY WAY POSSITSLE.

When Hund

MICHAELS. SWITCH. 3707 CHUMO FOND KOLOM, HI 96756 WR377

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### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



From UScitizer Nikki Bockwinker Ro Box 781 Hanalei, Kavai 96714-

MISSEE WARMEAD IMPACTS IN THE

Dear Mr. Inouge-Please stop the Star wars project here on Kavai and help is badly needed to these poor people in Rawajalein and Marshall Island. You must help us save what is even savable. I am so said and mad about this. I feel powerless about the situation and want to do all I can do to help. If could happen to us and our families.

Thank your nikkin

Bockwinie

WR378 Mul Sentor Inocuse 191, 26 All 9:59 planet, including here on know. It well for no Star Ward support unquiler. The only reasons it hind it the heavings for it were seenonice - proper that pethous this proper they proper they proper they proper that proper that property peace?) and becomes if "define. I dest per un continue out there" - carcifes as against the invironment. det pince begin with me. Sincerely, Sibra Joyce Come Debaudque Come POBOX 910 Kilmin H1 94254

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES Com Senator I rouge, As a constituent of yours, I am writing to desert you to work against "star Were" testing on Kanai. From the Muse" testing on Kanais environment to the justice sites of the larger year to Manana Hamelands, - this program would be a tragic mon with ierastaling consequences.

who have been facilly re-located and some of whom we employed the alth home radiation exposure.

That you for your help!

Sincerely,

Hy Grehambault

L.J. Archambault

PO BOX 1301

KALAHEO, HI

96741

WR380

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHE TO KAWAJALEIN ATOLL



Belly Unanian TO BOX 248 2ANA 251 HI 26714 3/22/92

MISSILE WARHEAD IMPACTS IN THE KWAJALEN ATOLL

Careat senator Inough +

Please do eventhing you can To make a what to the people of the the what what indeed a word and the appearance against them. for all of our trospasses against them.

The your considerable influence (moral and political) to new the USA TO THE RIGHT political) to new the USA TO THE RIGHT political) to new the USA TO THE RIGHT (and their infectful are far more important 

Then all the mission of all the mations.

The STAR MFPS FROM KAWA!

NO MORE US genroide and of pression in the PAOIFIC ISLES.

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

Jen Senator Truoge,

Clease make every effort available to stop.

the missle launding than Sarling Sands on
the island of Kavain, oh which I am a usualist
and registered vote. I am deeply conserved
about the quality of life on my island after the
effects of the missle fahavet etc., and labout
the effects of the missle landings on the atoths
of the market selandson the segule competed
at Eberg. Glesse do all you can to stop
The inhumanity. I Martin Johnson

18 30x 975

**WR38** 

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



DATO SOLE 628 Co. Box 628 KETCALTA, HI 76752

MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

DEAR SENATOR,

AS AN ENCLONMENTAL SCIENTIST BUT MATTER A

FINIAM BEING, I LLE YOU TO STOP ALL APPROPRIATIONS FOR THE

STARS DEFENSE PROGRAM. NOT ONLY 15" AN EXTENSIVE THAT THIS

COUNTRY CAN NO LONGER AFFERD TO WHEE, BUT IT IT ALSO
A BLATTART WOLATION OF THE BASIC HAMM RICHTS OF

THE MARKSUTTHLESE PROPRIE. THAT NEED THEIR LAND, NOT

MORE BOMBS. THEY HAVE LOST THEIR COLTURE, THEIR HEALTH,

THEIR ENTIRE WAY OF LIFE SO THAT WE CAN OPEND

13 IOUTONS AND BILLIONS OF DOLLARS IN THE PREPARATION

OF WAR. THIS IS 1992. WE NEED TO STOP FUNDING

BUT WEARONS MANUFACTURERS. FOR THE SAKE & JOHN AND

SHELLY, DEN SLATING REASE STOP THE SAKE & JOHN AND

SHELLY, DEN SLATING REASE.

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Dear Senator Akatia,

I speak to you who has lived in Kaus's has been mow and I wish for as long as I



as a native Hawauan Hawau all my life.

my home for 10 years to remain there can.

MISSILE WARHEAD IMPACTS IN THE KWAJATEN ATOLL

I oppose very strangly the Etan Wans the rocket lauching project for neveral ressens.

health, safety and well-heing of Kana's a citizene methoding its visitors. Why subject us to this - we ourselves are inviting the provibility of what hezardous chemicals in transport of leurichieg can result in would you went to live here henowing racket testrieg goes an and in pelluting the air of meeter you breathe of

2. Any related accidents on mistakes as a small of the rackets will quickly disting the visitor industry on Kana's and on other islands. No we really want to take this risk as well?

3. The millions o billions of dellare to fined the star wan in needed to help our country's handers, frauty-stricken, education and sleaning up our

WR383 (cont.)

continue to back defense judgets which are obsolite and do nothing to purfler the cause of peace and well-heing for all.

Please, as your loyal constinuent, I strongly was you to do marything you can to stop

We are counting on you to see the melessness of this project and to support programs. That preserve better som enhance our livelihoods and sour community of a natural major island, heavily for generations to come.

Sincerely, Marsha Kehenanu Hee P.O. Box 261 Lihue HI 96766

" Ua man ke ia o ka 'aina i ka gono".

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEIN ATOLL

3-22-92

Dear Souther Theope,

Alor stop forms while at the harporter
Alor, why do have dankers and to either
for the USA.

FRANK GORNES MERY KON NI MERONA ME 96746 WR385

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MESILE WARHEAD IMPACTS IN TH

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Beatist Kanice of Drouge, I have just get a dance on the Range Jain pickened or the awareness of what has a dow apet on Kungalew atold . o Etage. San rawling on Kanai of her far the par penenties years - Clave two daughters to two gardelilden, put Hawaiian (my mather also Leurs ready ( In at a lass as to how to where my objection. Elean Naivel, we are disquestily pleasing a total moratorium in any & all tasting an send beloved facion & any & all testing on Efploding with missiles, tranches, gleens etc. Sam play of the loss of your ain. In also pring almus the loss of the heloved land of the Pacific Islander Dan firm of devoted to protecting our Asiand from pir steam, dont sow stop this properties of atroctices now lan spencing for my Janely lane ar an anerican. I an an Stellier I am fearful that throngs of scores
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in the United States Downment, Please
last at this qualitm. Its auro its now.
Whire wild & angry We meant
husiness

Liemain lesgictfully gaurs.
Jusan Bockwinkel
PD. Bay 281
Agralli, Kawai Hi.
Gla 214

WR386 KAUAI CITIZENS CALL FOR A

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Dear Senator Inouge,

I was born + and amprecident for 10 years.
my have now would be a

STALE WASHEAD IMPACTS IN THE

much 24, 1992

of Kana's now

This island is

and I feel it

great mistake to

allow the Stor ware rocket launching o missile testing to be done on this fragile, unique island. The fact that it is also populated with 40,000 yeaple also speaks for the insensible attitude that it is a sofe " setting to have this project done there. Would you went to live here knowing any accident adoled to these rockets being launched is possible? Wouldn't you ful concern enough for the children and animals and other living creatures being subjected to the dauger of the tromport of hozardans channels to STOP this from hospining on Kaus's? Please, do manything you can to stop this project for the benefit of Howai's citizens and manything that makes this a special

and chambed home. also, if anything did go wrong and an accident occurred with the transport of chemicals or the rodeit launches - can you imagine what the effect resuld be to the tomist industry? Visitous would not only avoid Kandi but puchages Howaii altogether. Now that would be an ensumous of our visitor industry, also - you must see that the Stor wors reltimately is a risk economically as well as environmentally, and will affect the well-being of all residents detrimentally. shark you for your attention and support. Sweetely, PS. Let's not be blind moudea Hee to the lessons of P.D. Box 261 Lihuc H1 96766 Konajalein atall - we would be killing our own selves to continue with the project.

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES



ASSILE WARHEAD IMPACTS IN THE

DAR SENATUR Draye,

The REGION, BUSH NEW WORLD.

ORDER MUTT COME to An End
It'S HAMLE to CUT THE

MILITARY INWITERIAL COMPLEX OUT,

OF THE BUSINESI OF HUMAN SUKULARING.

OUT OF FAIR!

OUT OF THE MARSHAL ISLANDS

IT'S TIME to STAP THE WARS

WE MENTLE, PUBSED

WE MENTLE, PUBSED

WE MENTLE, PUBSED

WR388 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL my name is Lewis Morace. I am id years old. A live on Kaller, ) won very morried about The way the Star Wass programme WARRAD INFACTS IN THE I is going to about the lives of people on t in Houri & especially The Kawasalein Ilande. It worries me because with The small amount do know about we water going to happen I know there will be & dereas has been damage does in the Kawajalein Llands. Plea do all yer cando to Stop this for me & to everyon who will experience the offects.

The Sincerly David Moreous History David Moreous Handie, Hi. WR389

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

3/22/92

E. UNANIAN POBOX 698 Hanale, HI 96714



MARIE WARREAD MPACTS IN THE

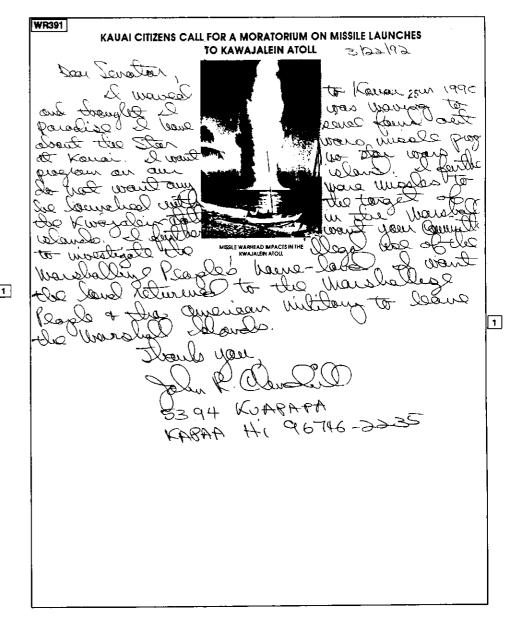
Dear Senator

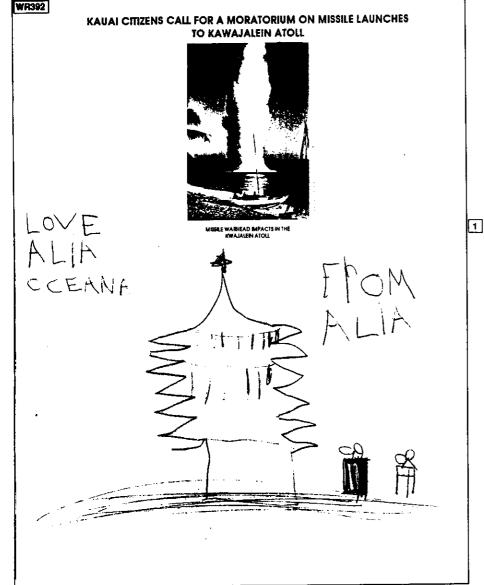
Please do noum best to prevent Kawai from lewing

U.S. army's testing ground for destructive weapons.

Also please let's respect, and help richins of Market

WR390 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL when you live in 4/w alouta rieu-idea vou Realisa dow special Can fire the misciles from The Kennesty space and stop all this Some where in the Budget do what herest. Keeping the special faid well testing interely within for. Stofall this the Coundries of Countinents inter jolitical. U.S. A. That way the fighting. We the - Voting fublic and the Feafle" Day Paying military con see what is want something dene Now! being done. We don't weing more. We worse Apparent Marriman will to send any thing out Apparent Marriman to the foor, made so by ess! To. Box 1364 to the Marshall Island feefle, she Gi-...





KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MEDILE WARREAD SIPACTS IN TO

March 22 1992

As a citizen of Kavai i protest The missile launches to Kavaile

The missile launches to Kanajalein,
These people have suffered terribly
at the greedy hands of our government

and deserve report.

Please halt the Star Lars Missiles

Gigned, Malika Wiezbowski Walika Wiezbowski Gen Delwery Arobola, Haugii 96703

## KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

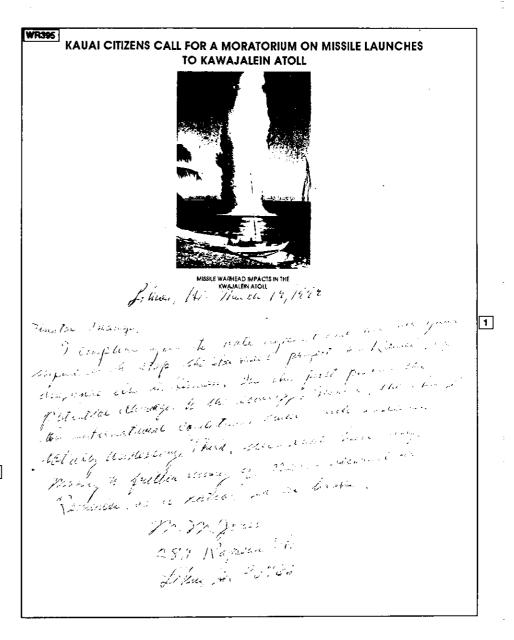


MISSILE WARHEAD IMPACTS IN THE

March 22, 1992

Hear Senator Source,

Jam whiting to you to make known may total abjection to further testing being them in any of the markall belands the dance of favair fartured—I object to the their section and being used as a part of their testine and being used as a part of the markelbere payobe in infriogement of the markelbere payobe in connection with miscless being launched connection with miscless they launched connection with miscless they have to act on the wisdess of the water of this setate to act on the wisdess of the water of this setate to act on the wisdess of the water of this setate to act on the wisdess of the water of this setate to act on the wisdess of the part falls onto a great deal of the original properties to the setate of the part falls onto a great deal of the original finale, it and



KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN TH

I do not support the missile launches on have have human highets these monatorium atoll. I have have human highets to reed on missile launches to have applied atoll. Stop now Listen to our needs now, I demand that you stop this inhumance perspect.

Luella Churchell 5394 Kuapapa H. Yapaa, 20 967467 WR397

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



ISSLE WARHEAD IMPACTS IN THE

The bono able blanck maye.
United States senator
722 Hart Senate Office Blog.
Washington, DC 20510

Marcains White Po BOX 290 Calwar, +th 96765 (808) 332 8884 19 Narch 1992

Hyrama is hercedes white Idm a 17 pr
resident of the Island of favor, married with 3 children
and a professional artest. Its a registered voter I
am writing to you to course I have just viewed the
rilm, Home on the Range, produced and written by
Adam Horowitz that depicts life after missle. Hounchen
Occurred in Kwajalein Atoll to trapistion.
I am asking that a
moratorium on missle launches being violated & sur
immediately. Human Rights are being violated & sur
withern nont such has a direct responsability to stop thus.
I appreciate your affection to this maller, managementation

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#### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Dear Enetor-

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Pliese Senatur-Thave fixed much kavai now for some time of is clearly in that many break people think wally in seems of the immediate, the gols of they think this higher bring to their island. That is in to give the longteen protisemore weight than the immediate. Isn't It have that the winds of Dr Savenr be iskered to? Freaze consider the pica of those of us who are notward erough to write to you. Please use the browleige In are up have been appsed to by your wal with indigenes people. Prease put a grop to the stars grayeam, I'm sure the namey powerry the military wan machine in se pt to other ises. Please consider deeply your ste in this and Tark you to bean is, and water against sters.

On it Tark you to bean is, and water against sters.

On it Tark you to bean is, and water against sters. WR399

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Dear Senator Daniel X. Drouge, from Kanai and we want The Marshall Aslanders to please be respected.

> Sincerely, Deborah Foresty P.O. Bex 867 Kilanea, HI. 96754

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSRE WARHEAD IMPACTS IN THE

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of the people thand of the Marchael Relands.

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WR401

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Box 80 Hencles, Hawaii

MESSLE WARHEAD IMPACTS IN THE

Cor Senator Inouge,

I have been in active opponent of the stars fragram for two years. I sincerely believe this is an east of medness on the fort of our government to file missiles into the land of the indigenous people of the missiles into the land of the indigenous people of the missiles into the land of the indigenous people of the mersial islands. We have brought death, destruction, disease and completely destroyed their way of life, their culture, their reason for being we on Italian are outraged at this and outraged that our island should be used as a launch ignal. Take the needed steps, senator to make this a more human world. The power is a your heads.

Jany Errort

2-33

WR402 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

KIOM



To Honorable Daviel Inouge. Please, Please Stop the planners missile launches from Lauai to Emajelein. The Kauai Drone and environment is far too important to pask Der Native Havrailan Population deserve respect for Heir lands as well as the Knajelein people. Please respect the ains , No missile lauriches from Peaceful Beautiful Koua! Sincrely CAMEN Diamond 120 Box 536 Hanales 15 91714

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Dear Snator Inouge, Lose that you take a strong stand against the testing of missles. The manner in which this has effected the Morshall islanders is disgraveful. - It makes me truely ashamed to be an american when we desplace and destroy the culture of the Marshall islanders. This lesting must stop.

Thank you for your Robins

time and attention.

Those Makoi Sor

#### **WFH04**

To all who are concerned about our future:

Thank you for taking the time to seriously consider a decision that will have an impact on our lives.

There are many issues combined in this current vote about Star Wars and there are many of us who feel very strongly about each of them. When you consider giving an okay to Star Wars, it is a vote against much that we feel is precious, and much that has been taken for granted and abused in the past by the military-industrial complex of the United States: our land, our air, our water, our planet - all obviously critical to our survival as a species.

Political enemies come and go, as we have been blessed to observe in the last few years. If we continue to squander our resources defending an obsolete "us versus them" model of the world, we will only make our tasks more difficult as we turn our attention to reviving an injured planet.

Star Wars is an ill-conceived program. There are far too many risks and recorded failures to defend it intelligently. We can't afford to continue throwing money down the drain, nor can we continue to abuse our environment and expect that we will be sustained on earth as healthy peoples capable of responding to the challenges ahead. The costs to the environment have not been calculated or addressed. The costs to the world of wiping out indigenous people's cultures for the sake of industrial expansion have not been calculated or addressed.

We don't even know yet how much we have jeopardized or already lost. It's time to change our directions - to allow new alternatives to emerge, to use some of our resources to invest in restoring and sustaining, to SHOW SOME RESPECT FOR OUR EARTH, OUR FELLOW BEINGS, AND OUR FUTURE.

Thank you for your serious consideration. It can only lead to a NO vote for STAR WARS and any further military escalation on Kauai.

and Please - repatriate the Marshallese from Ebeye to their land.

Respectfully submitted,

رارز

Clair

PO Box 1525 Hanalei, Hi 96714 WR40

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### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



3-19-92

MISSILE WARHEAD IMPACTS IN THE

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not mustes.

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Mille Arliesson Medele Otean 1384 Kelie Huy Kapaa Hi 76746

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

LEAR SENATOR.

ACTER THE VIEWING OF THE SILM, HONE
ON THE RANGE I AM ASLAMED OF

AMERICA, I hope that you will be able
to CONVINCE THE OTHER SENATORS THAT
WHAT'S GOING ON IN THE PACIFIC IS FOTAlly
SCREWED, AND THEREBY INSTIGATE SOME
CLANGES, MAKE US PROUD to BE AMERICAN
AND help us pacific islanders live in
OUR NATURAL WAYS. MAHALO

KIRLY KEOUGH
PO. BOY 418

LAWAI HI 96765

WR407

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN TI

Dog Sometin Inouge,

Please assist us is stopping the use.

of Knogalein Atoric as a texting site att

some point we must stop operating in four
of one arother. Our from has led us to

injure many innocent people in people that hour been

willing to trust us I strongly support stopping

the use of all testing sites. Thank you for your

support you are our best hope.

Chron Ann Wishburn

PCBox 1525

4(analer 1:12 96714

MTHOS

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

Kowajalein Atoll. We can never fix the damage that has been done, by the U.S. government, to their homeland and lives. But we can prevent future damage by stopping all missile launches. It is hard to gothom what we have done to these wonderful pegale. We must stop the damage of dostruction.

Karen Bacon Policont PU Box 870 Kilowed, HI 910754 WR409

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN T

To whom It may ConcerNo

The conditions which the Morshailese people would be expected to endure as a result of a continuation of any missile activities Is In my view Intolerable.

with this In mind I respectfully request that the proposed Moratorium be implemented without jurther adon.

Michael A Comini Chen Dolivery Kapag H. 96746

#### WFM10

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



3-18-92

HISSILE WARHEAD IMPACTS IN

Senator -

I hed you personney responsible for the house corditions on Elega for the ratine people. Jess apparent, but just as malicious, is the treatment of the Karaka mari one the lost 100 years. I have you personnely responsible for the Rost 30 years. Shame in Jane, P.O. Box 372 annua, Ii 96703 A J. Freed

WR411

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



ASSILE WARHEAD IMPACTS IN THE

Oloha Ciena

Trom the Kalealawe Ohara

"Protect Kaheclawe"

Organization

Step the Kombing and Misseles

Barbara Jean Truigge

P.O. Box 1328

Liher 14i 96766

### WR412 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Dean Surviver I MOUNE,

IF indeed you believe as I do that the people in Eurapalein are also human beings, you will do aladered you can to stop this insanity. Masilyo Miki Kaipata

.- Haralei Hi 96714

BO BOX 181.

TO KAWAJALEIN ATOLL



March 22, 1992

No Someton Inouge, I have just witnessed the Film " Home On the Range" illustrating An iragiz fit of the Marshall Island people on Ebeye due 18 U.S. Missile acting Please do your heat to

We do not want Dale M. Dybbro ony missiles to be Sommand Fo Box 361 Kilanea, Kanai 96754

WH414

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE KWAJALEM ATOLL

Alcha Sentiar Drevye Please Exset All your considerable

INFlormed to STEP this Maderies on Knowi.

For the Mawallan Pepte - For the people

Who have both adopted and been adapted

by this Island - For the children 
todori and temanació - And For

the Sale of God - also made this

Island prandise 
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MSC 144 - PO BOX 3500

France wills, Mawall 96772

WR415

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



SSILE WARHEAD IMPACTS IN THE

Senafor Inouye

I want millary testing to be ended an Kawaj afein (sland:

Betty Ow

96754

WT1416

### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MESSILE WARHEAD IMPACTS IN THE

Please don't let our volend die ! We Ward Has Ward here.
Pob 269
Kapaa, Hi 96746

WR417

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

This is so obviously absurd! To neglect human rights, enviornment, common spiritual values, much more than neglect but ABUSE! STOP IT NOW! Is it really nessassing to exploit Kurajalein atoll so severly, with such lack of respect for the first severly. This is insane!

WR418 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Robert Measel! P. E. Box 3098 Princeville, 4, 96722

March 22, 1992

In Horosable Daniel K. Thompse until State Senator 722 Hart Senate My Blog. Washington D. C. 20516

Dear Hororable Quonge.

Especally Hawaii and The Pacific Islando, Kawajakein Maishall Attal washen arous been my homeland sence I was for 2 years old, These islands have a special and extremely sensitive Eco Systems that must not be disturbed or placed out of Calance; which is exactly what shall occur should the machiess of this STAR WARS SCHEMENHOUTS being forced on people here on Kanai. you have a morale obligation to insist on stopping of Star wars in Hawaii as a regresentative of the Hawaiian and all people of Hawair, and to insist on a restoration of the Marshalese people and their islands and through-out all the Pacific Islands:

for Hods sake - STOP STAR WARS! Respectfully of the State of Hawaii 94

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Dinator Damiel K. Inouge Please thech thoroughly on this situation personally. To not be mirled. are life in precious regardless of Entone. I consist believe what I have acen in the cim totled I wome on the Karge. Why Loven t we read about the plight of these poor people. m. E. Lightons P.D. 1304 361 Klaver 96754 WTH420

#### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MISSILE WARKEAD IMPACTS IN TH KWAJALEIN ATOLL

Lihue, 3/19/92

Dear Mr. Inouye, as a fourist of the Havaian Islands and as a physician I'm very concurred to hear about the structum of the Tourhell IB., People on Eteye. Just imagine kana: being occupied and wied as a mirrile launch platform and please imagine blanchaus, American others being sent away from their homelands to a place with no jobs, hardly any land and poor conditions. International laux, human rights and your constitutions International laux, human rights and your constitutions should oblige you to halp tarshellese people to regain their dignity and a wortheir living completions. These experiments with human beings must stip! two le strip myst stop, why don't you test in Antonia or better leave it at all?

Show some respect for the Pershellese Culture or any altere different forom he married culture! Get out of Marrhellese islands, stay on U.S. Territory! Christine Knaps, Kehster. 10, 7382 Barult, Germany.

WR421

# KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHE TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN KWAJALEIN ATOLL

12 mch 19, 1992

The Honorable Senator Damed K. Invage Senate Office building Nashington DC

Respected Scrutor Image,

Howang just viewed The documentary film

"Home on The Kange", depicting the human with of The
"Star wars" missile defense program on The Marshallese
people, I join many of my Kanai friends in wiging
your help to halt the plan to launch missiles from Kanai.

To The Kawajalein atoll.

With sincere Ranks, Respectfully,

P.O. Box 58 Kupaa, HI 96746 Maria C. Snyder

WR422

#### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



THE HONDRAGUE CALLER X INDOFE, I HAVE LIVED ALL MY LIFE IN HAWAN, 39 YRS. AND HAVE MET YOU AS A CHICO. I'M ASKINSE YOU TO PLEASE STOP IMPACTING THE DEDPLE OF THE MANSMACL ISLIANDS WITH OUR MILITARY TESTING. AFTER VIEWING "HOME ON THE RANGE" I WAS SHOCKED TO SEE INHATS HAPPENEN TO THOSE PEOPLE AND INFAT LIES IN THE FUTURE FOR THEM CHILDREN. I'M SURE THEY DESERVE IMMEDIATE ATTEXITION AND

THE MISSLE TESTING SHOULD BE STOPPED

WAAT DO YOU INTEND TO OD PROUT THIS? AND REVIEWER. MAMMED. CHARLES LEE COWDEN PO BOX 496 HANACEI, HT.

(808) 826-9000

WR423

#### KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Sinator Inouge The situation



Min. 19,1992

What I am referring to is how he U.S. military has displaced the Marshallese people from their home lands, used hem as guinea pigs for nuclear radiation experiments, and robbed them if their dignity as human beings and God's "Irildren". These kinds of atrouties toward less paraful people must stop. Please WHE your power and influence to stop STAR WARS testing on Kanai and in the Warshall Islands. Think you.

Ken Jones POBOX 1659

KOLOA, HI 96756

**#1424** 

## KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



MESSILE WARHEAD SMPACTS IN THE

Destrict 
Sam dead opposed to the

Star was war project here on Kawai

the marshal Island on any other

location, you can also include space

eightention:

Shope that the factities in the

marshall be desmantled and PRFT,

and the mitilian he removed from

Koucie
Raymond C. Read

341/Lichenfld He

lifere, Kasai Hi

Olinele

WR425

## KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL



Mendelson
Box 992
Occidentation

The Monorabelaniel troy
Clinical Stades Sendor
THE Mort Senale Citice
Washington De 20510

ESSRE WARNEAD IMPACTS IN THE

Dear Monorable Ender-Inouge,

As a frequent visitor is the sand of Kavai it's saddens me to know that most launching to Kavai akin Afell is still occurring. Being a mother, concerned registered wher and activist for human rights, I clout want kavai to be another lower hine fad like Ebeye. Tradition, culture and peace of cannot be concrimised. Please hear me, please for a moratonium on misse launchine de Kawajalein Atell.

Sincerely

Ment Afewkelsen



From Geraru Wells Po. Bon 345 Kilauea Hi 96754

AISSILE WARHEAD IMPACTS IN THE KWAJALEN ATOLL

Dear Senson Inouge,

haveing met you at your fundraiser hanquet on havailest year when you stated that an EIS would be required before. Stars testing, we have come to respect you as a man who is truly concerned about the quality of life for all peoples, whe trust that there is something which can be done to help the Monshalese people whose lives have been sadly affected by U.S. military testing. There must be a way to restone to these people their land and hence their health and dignity. Wouldn't this be a good time (pointcally and economically) to reduce militury expenditures and also stop setting procedurice for weapons in space. Thanks for you ear, Peace be with you.

**WR427** 

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



ARHEAD IMPACTS IN THE

Foica Courten 1972 493 Foraisi, #1 06714

628-2056

Maz. 22, 1992

Jenater Inoue.

I support the motion that the Marshall Islands

not be used as a location for testing missiles. The

indigenous people should be respected. I fee! America's

past has been littered with our atricities and

chest effenses should no tonger be continued. Please

was your inquence to see that these people are

restored their land and their dignite:

Respectfulig, Ilicia Buden

100-7

WR428 KAUAI CITIZENS CALL FOR A MC



MISSILE WARHEAD IMPACTS IN THE KWAJALEN ATOK

Heart to what forces to keep for mission of of Kausi. This is not the people of the launch these things. The people is much the launch these things this injustice has been the launch immer to be discontist in this feature. The people of Kausi do not want this feature, you are not coice this hard then there you are not coice this want the launch that we want

Dinzerelia

Dear Senator Inouge,

Just you to please, wing of the power yes can.

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WR429

WR430 1121 Alir Not 1/ 1 The Honorable Daniel K. Inouye United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Don Tonator,
Lowello Love from and
Ward of Karaia.

Lower your or your

manting of the The Honorable Daniel K. Inouya United States Senator 722 Hart Senate Office Bidg. Washington, DC 20510

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WR431

WR432

Lase Hon. Inouge: 3/22/92 Robert Meased SR. I do not want Missles find Phinociple. Hi. 96112 CR Testid on Kausi, Hawaii on any when else in the State of Hawaii. I lived for the island of Kawayalein between 1950-1953 and 1956-1959 returning to Hawaii the State Several Marshales People and Marshales Peop

WR433

P.O. Box 867
Kilanea, HI, 96754



NO MISSILES

ON KAUAI, We care about our lives and our childrens' lives.



FRIME PROMY !! NAN AN MY POR STR MANALEI, KAUAI H! FRI, A LEAR ME MATOR FROM M.

WR434

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Please the grant parties a recipient to grant to

Betty

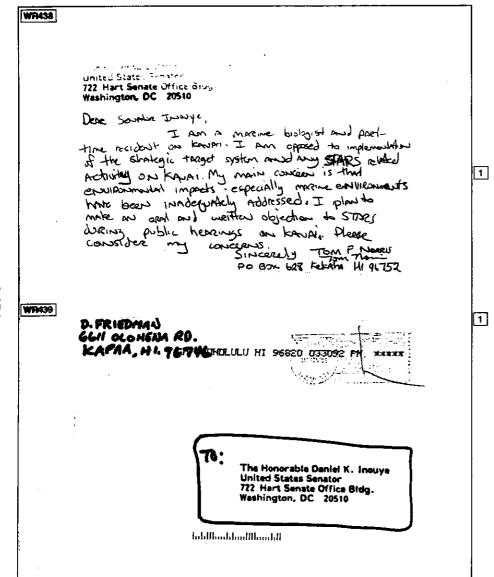
TO:
The Homorable Daniel K. I

The Homorable Daniel K. Inouye United States Senator 722 Hart Senate Office Bldg. Washington, DC 20510



WR435 Dear senator Inouge, I work you to oppose the SDI program
paticularly in Hawkii. I'm a fifteen year off
and with programs like this I'm atraid,
of what kind of world I'm growing up in
I'm scared of the future for myself, the
world and my children I don't, and 1 am sure you don't huart to see Hawaii to be a target due to SDI testing here. The cold war is over and our mation can not afford this extremely wasteful, costful and harmful program. Please oppose all further appropriation for SDI Paticularly in Hawaii. Thank you, Sincerely, Ameria Borofsky 814 Kaupii St Kailua, Hawaji Senator Inouge U.S. Senate Washington D.C. Note Dame (5)2-1992

WR436 Dear Senator Inouge the druft Elsfor the Strategic Turget System used 1979 Shukishies w. whales 1 and failed to men tion 10 or more ras plants in the Vicinity Concluding impact on tourist inclustry, The Honorable Daniel K. Incuye lucal population and United States Senator precious naciot land 727 Hart Senate Office Bldg. Washington, DC 20510 to be insignificant. Please help us fishbliberthisly bushs! WR437 1 LOUIS PERROTTA
PO BOX 1705 The Honorable Daniel K. Incuye United States Senator 722 Hart Senate Office Bidg. Washington, DC 20510 hobillumkhasillhasillt



WR440 1 Dear Sena or Help llowed to preserve what is best on our The Honorable Daniel K. Inouye planet? why save the bolohing if we risk endingering the people? **United States Senator** 722 Hart Senate Office Bldg. Washington, DC 20510 1384 Kuhio Highion KapAA, Hi 96 746 WR441 Dear Senasor Imay be younger Than Most people who will write but we want this beautiful Place to be here when we are older thinke we are offer so please it. Mahalo Hharman wallis toot The Honorable Daniel K. Induye United States Senator 722 Hart Senate Office Bldg. Washington, DC 20510 Michelles BKY, 1384 Kuhio Highway Kapaaini, 96746

WR442

**WR443** 

Respect her our blank and see earth

The Honorable Daniel K. Incuye United States Senator 722 Hart Senata Office Bldg Washington, DC 20510

W. Sahllanhlanlihandi

WR444

TO THE KESBONSBLE PEAKING COMBERN Please due roll due this to beautiful land Please stop and Hunk is this The Honorable Daniel K. Inouye United States Senator 722 Hart Senate Office Bldg. Washington, DC 20510 what we want to due to this heartil

WR445

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United States Senator

1722 Hart Senate Office Bidg.

Washington, DC 20510

WR446

Box 254 KKANA, Hi



No Missks in peradise! monoto,

The Honorable Deniel K. Inquye **United States Senator** 722 Hart Senate Office Bldg. Washington, DC 20510

Meridith Petralliminal

WR447

JAN GREENBERG P.O. BOX 1810 Hanalei Hi. 96714



性無常 犯

PLEASE Save Kanai! "No Star Wars"

> The Honorable Daniel K. Inouye United States Senator 722 Hart Senate Office Bldg, Washington, DC 20519

Jan Streenling

WR448

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أوملاج أمامت أأأن أأأ أراد الملومانيون أمو want star ware project here. We must think of the future of the Island and He people living here, not ful their pockets of gover Money now. This precious Hand cannot withstand United States Senator

The Honorable Daniel K. Inouye
United States Senator

The about such a program 722 Hart Senate Office Bidg.

AND LETTE Washington, DC 20510

had stated. help stop this maddellbuildmillimibile

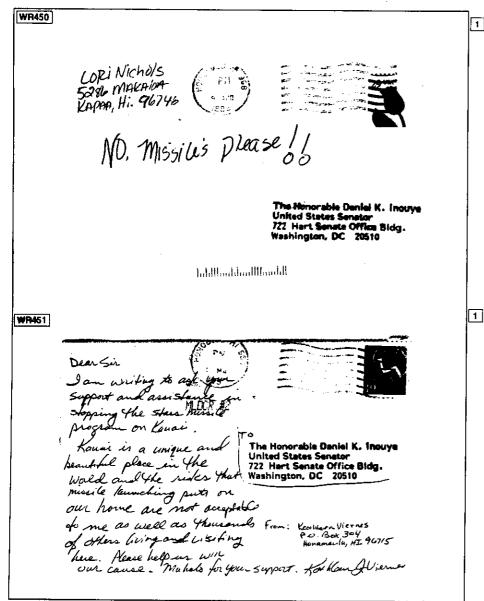
WR449

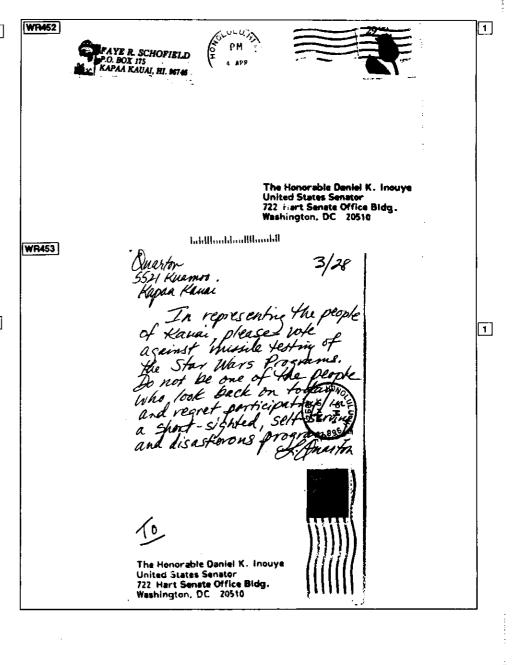
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A short note asting your help in pre- Senetar was venting The Stor was Doniel A 2003 of Tissile Lounch site 722 Hort Senate from being on The Chice Building is land at tiend. Washington, T.C. 20570 tice here for incomes such as Prymeditors, Minds Douk Mahala R. a. Box 401 Analds, 12 9623

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WR454 Lola Sabbatini 3240 sterling Aue Hlameda Ca 945 My daughter + hosband live on Kavai and I vist yearly st is not a place for musels It can do nothing but harm the The Honorable Daniel K. Inouye **United States Senator** island 722 Hart Senate Office Bldg. Washington, DC 20510 - 1 Authoritime **WFM55** 1 The Honorable Daniel K. Incuye United States Senator 722 Hart Senate Office Bldg. Washington, OC 20510

Olaha Lenator

Oporhen — (170)

Oporhen — (170)

Missiles on Kawai I The Honorable Damel K. Inouye

United States Senator

722 Hart Senate Office Bidg.

Washington, DC 20510

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Our rouse to head.

South Mace

P.O. 1304 372

Onchalo Juliani Company

WR456

WR457

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SOPSDION

KAUAI.

Comenher New

Aira. STOP New

United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR459

June water, to are the gent form on there your power to stop the Star war program for United States Senator Northwards appeared to the The United States Senator Northwards appeared to the The Washington. DC 20510 project being net up here of anywhere. Our land, our people will not be made more occure by more missiles but by more peace missions. Please, NO 37RL WARS. Damela weber 4901 Kawailan Road, Apt \$202, Kapaa, Kana, HT 96746

Dear Son, loweye;

2 ask you, as and 139:

State senator and the flow Denieth. I wonye
Funday Committee, to the States Senator

Stap the trudy of 722 Hart Senator

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WR461

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basic services from the government

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and m citizens are

feeling frustrated. Our your United States Senator

122 Hart Senate Office Bldg.

Washington, DC 20510

what natural resources

will be tept for them. the ACCESSIVE billions spent

to 'protect' us from unseen 'enemie.' Is a crime

why should wray child born today over \$100,000 to our

government for a debt they didn't create?

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WR462 CHUS BROUSSAND 30 BX 3903 Littus, th 96766 This is to inform you The Honorable Daniel K. Inouya United States Senator welling fles o 722 Hart Senate Office Bidg. hisilde The injustice of what has happined to Washington, DC 20510 the people at thrajalein is 1 equal to it not greater than that which we have done to the people of targic. Please 1 DEIS, That the STARS program is a shameful weste of our hard carned tax dollars, and that the magnificent island of Kavai should not be described by war toyo. Please Mepus telp paradise from United States Senator 722 Hart Senate Office Bidg. becoming hell, and
727 Hart Senate Office oppose out marchallese Washington, DC 20510 friends as well. Hanking, H. Mayall.

WR464 THE HAVE PSTNOFTHA LEWING HILLIE WAT WATER THE LIKE INTE OF THEMONE HAR ON THE DANGE! TO AN SIMT TEMPLY INVESTOR JAMES OF KURNI AND EVEN HE WHILE ELSE AND I The Honorable Daniel K. Inouye MY STANKY GOING TO **United States Senator** 722 Hart Senate Office Bldg. THE ROOPENHOUS PEOPLE Washington, DC 20510 THE A LESPONSIBLE GOVE I WENT ANYMORE 1 CHARLES EXMISSING IN KUNDULIN. I THE LUNA LEHHITH PELLIN WAHA RID. I MALO HE QUAL Indianal Dear Senster Inouge 1 Kwajalein Atoll near Ebeye with 10,000 inhabitans. on dware of the corruption behind this defense program and nope you are also. chase help us stop it. The Honorable Daniel K. Inouye Sincerely United States Senator

122 Hart Senate Office Bidg. Alberto Portido
Washington, DC 20510 P.O. Bex 1499 Hanalei , Hi 96714

**WR466** MISSALE LAUNCHING 10 1992 THE PACIFIC MARSHALL ISLANDS AND BIVE BACK THESE ISLANDS TO THE The Honorable Daniel K. Incure **United States Senator** NATIVES TO LIVE 45 THEY 721 Hart Senate Office Bldg. WISH & HOPE TO. EBEYS Weshington, DC 20510 15 NO PLACE FOR 4000+ 1 CITIZENS TO LIVE AND HOPE FOR & FUTURE - HOW WAVED YOU OR I FREL LIVING IN THOSE CONDITIONS FOR PROSTE BILLUEN HI 96754 the plight of the Temple on the Ebeye in the muchael delands.  $\Box$ 

THE JELY, with against the lybriation ( Law, which the Unker State defended in Kulant. The Henorable Daniel K. Incuye **United States Senator** Leave the People of Mai toll 722 Hart Senate Office Bldg. Washington, DC 20510 Island alone. Dr. Albiecht Knaps 7882 Baindt germany Labelland dan Minadel Med more was they to stop the muleurs. The Honorable Daniel K. Insuye
United States Senator
722 Hart Senate Office Bidg.
Washington, DC 20510 1384 Kuhiu Hwy Kapah H1 95746 Johlltaghhadllmahl

**WR468** 

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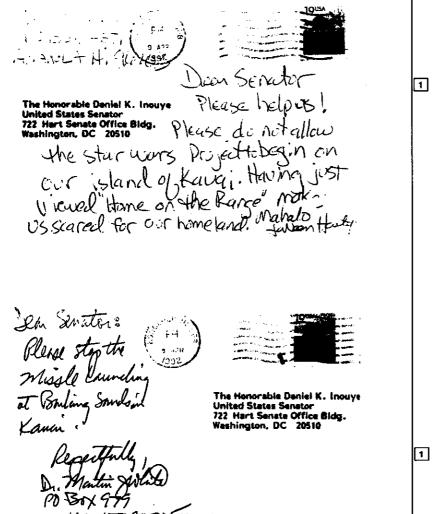
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**WFW71** 

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KOLOA, KAUAI HAWAII 96756



The Honorable Deniel K. Inouye United States Senator 722 Hart Senate Office Bidg. Washington, DC 20510

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WFM73

WR472

The Honorable Daniel K. Inough p United States Senetor 722 Hart Senate Office Bidg. Washington, DC 20310



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DEAR SENATOR, I HAVE A DESCRET IN ENVIRONMENTAL SCIENCE FROM THE UNIVERSITY & CALIFORNIA AND AM CUIRENTLY ON THE SCHAPED DOING RESEASELY ON HUMBBER WHOLES, I WALL READ THE DOAFT ELS AND I MUST SAY IT IS NOT WORTH THE PAPER IT WAT PRINTED ON! IT IN ESPECIATUS IMPREDUATE IN REMARDS TO THE STARS OFFECT ON THE NEAR SHORE MARINE ELOSTSTEM WHERE COME HUMBBERS WINTER IM ABUNDANCE. I STRONGLY DROSE AMY STARS RELATED ACTUITY THEMS ! ARE ON SUCH 4 DELICATE ENVIRONMENT. SINCHELY, DAN STARS RELATED TO SUCKEELY, DAN STARS RELATED TO SUCKEELY, DAN STARS RELATED TO BUILDING THE PAPER.

WR474



Please 5701 The INTESSILE launches
from Kouri - Please the missile the missile launches to Knajelein Irland.

Our environment is for to precious to risk. The Knajelein people's homelandous and the Pacific Nations are not a dumping and the Pacific Nations are not a dumping of ground Sincerely Caren Diamono

WR475

sentor Iyno e ANAho LATH

MADI. Soverign hein
to the King Dom of Hawai.

Stop the missles The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bidg.

Stop your govern Wishington, DC 20510

from further Abuse of our
land's, Mahalo hai -

WR476

The suisies a knowled to that the project at once!

The project at once!

Please lefs all Stop United States Senstor 722 Hart Sense Office Bidg.

The USA evar - machine.

Tomathan Weber 1200, Kapan it! 76746





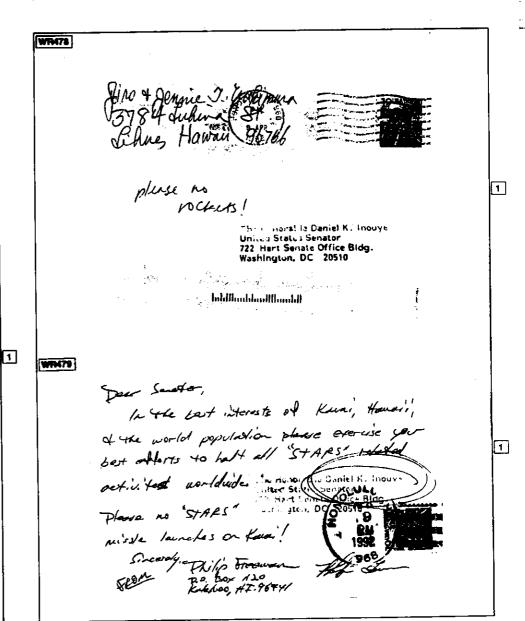
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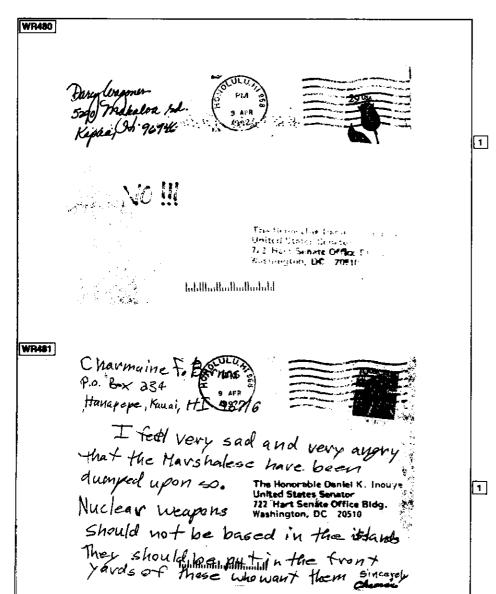
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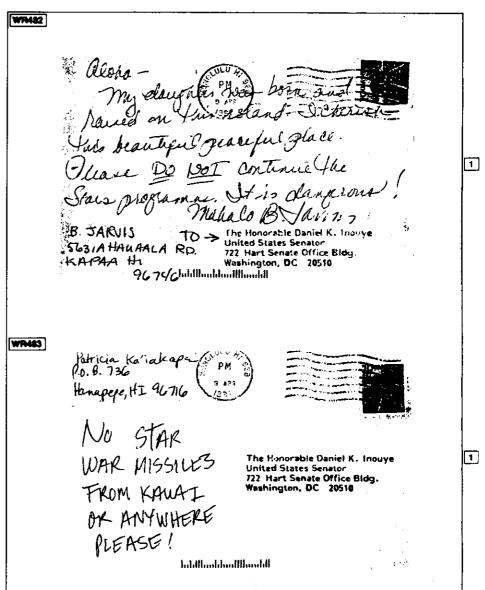
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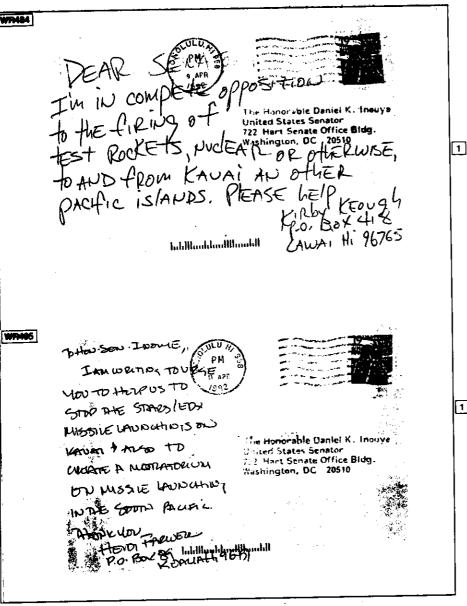
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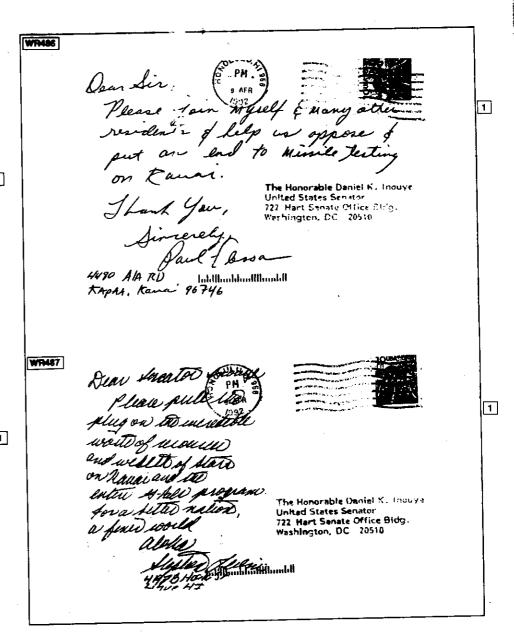
Ingrid Tillman P.O. Box 818 Kilavea, H! - 96754

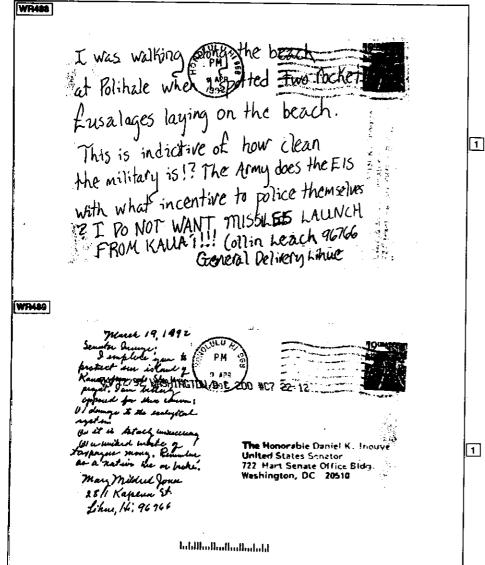


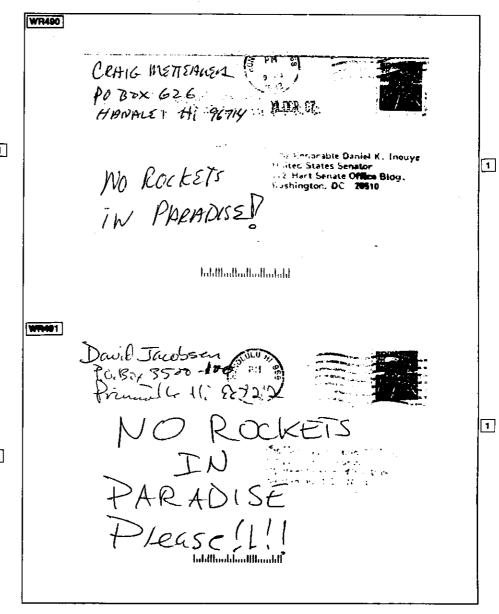










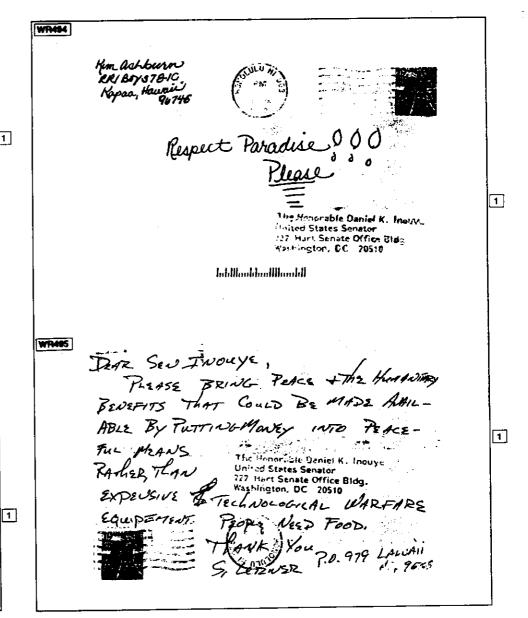


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1702 MAHOI St. Lill WR493 Kavai is the Sandar Sandar Sandar Isla - Lot the Missile Isla - Lot United States Senator 127 Mart Senate Office Bldg. Washington, DC 20510 The Honorable Daniel K. Incuye United States Senator the EIS - can we have Thornyon CAROL BAINS

P. G. Box 152

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### University of Hawaii at Manoa

#### **Environmental Center**

A Unit of Water Resources Research Center Crawford 317 • 2550 Campus Road • Honolulu, Hawaii 96822 Telephone: (808) 956-7361

> April 13, 1992 RE:0602

U.S. Army Strategic Defense Command Attention: D.R. Gallien, CSSD-EN Post Office Box 1500 Huntsville, Alabama 35807-3601

Dear Sirs:

Draft Environmental Impact Statement (DEIS) Strategic Target System (STARS) Pacific Missile Range Facility, Kauai

The above referenced document addresses potential impacts associated with the proposed STARS program. The program's proposed activities are categorized as design, booster motor refurbishment and testing, fabrication/assembly/testing, construction, flight preparation, launch/flight/data collection, and data analysis. The program would involve launching the STARS booster with payload from the Kauai Test Facility (KTF), located on the Pacific Missile Range Facility (EMRF), Kauai. The booster would deliver target vehicles to the vicinity of the U.S. Army facility at Kwajalein Atoll, Republic of the Marshall Islands.

The Environmental Center has reviewed this document with the assistance of Charles Lamoureux, Botany; Marshall Mock, Physical Science/Kauai Community College; Anders Daniels, Meteorology; Roy Takekawa, Environmental Health and Safety Office; Michael Graves, Anthropology; Leonard Freed, Zoology; Michael Jones, Physics; William Grannis and Alex Buttaro, Environmental Center.

#### <u>Archaeology</u>

Our reviewers have identified the following procedural inconsistencies with regard to the development and presentation of archaeological impacts:

This DEIS appears to be part of a larger project which includes the EDX operations, and an as yet uncomfirmed project which will be fenced together in a portion of the facility. State EIS regulations require that a group of actions proposed by an agency or applicant shall be treated as a single action when the component actions are phases or increments of a larger total undertaking (Title 11, Chapter 200, Section 7, DOH Administrative Rules). WR496 (cont.)

U.S. Army Strategic Defense Command April 13, 1992 Page 2

2. The DEIS states that a complete cultural resource inventory has not been conducted. Our reviewers suggest that an archaeological recommaissance or survey is necessary to assess the significance of the historic properties potentially affected by the project and should be concted pursuant to State of Hawaii Title 11 EIS Rules Sections 11-200-14, 11-200-16, and 11-200-17, which require that relevent data be obtained, necessary studies be conducted, and all relevant and feasible consequences and implications of an action be disclosed and evaluated.

3. The DEIS suggests that there will be some impact to archaeological sites in the area. What impacts are expected? Are any mitigations other than full or sample data recovery/research and documentation planned? If not, what is the basis for limiting mitigation to data recovery/research. Will any sites be preserved if determined significant? Since these sites are potentially eligible for the National Register of Historic Places, the National Historic Preservation Act (NHPA) and its regulations apply, including the provision that compliance under NEPA and NHPA be accomplished simultaneously. This DEIS does not comply with NHPA, in that the cultural and historic properties within the project area have not yet been evaluated in terms of the Section 106 review process as specified under NHPA.

4. No agreement with the State Historic Preservation Office in Hawai'i or the Advisory Council on Historic Preservation on a mitigation or preservation plan for the potential archaeological resources in the project area has been discussed in the DEIS. Are there any agreements, and if so, what are they?

Freon

The DEIS states that during second-stage burn, up to 90 kilograms (198 pounds) of Freon may be released into the booster plume over the entire second-stage flight path. The DEIS further refers to the proposed annual release of freon by the STARS program of about 360 kilograms, (approximately 0.05 percent contribution to the world-wide release rate), as "minor." The significant factor distinguishing these freon releases from other releases throughout the world is the introduction of long-lived chlorofluorocarbon (CFC) releases directly into the proximity of the ozone layer. The DEIS should address potential impacts of ozone depletion resulting from the freon releases on the following:

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#### WR496 (cont.)

U.S. Army Strategic Defense Command April 13, 1992 Page 3

- 1. Current and projected incidence of carcinoma and melanoma;
- Current and projected incidence of cataracts;
- Possible reduction in productivity affecting marine fisheries and aquaculture;
- Projected loss of tourism revenue related to various ozone depletion scenarios, and;
- 5. Breakdown and deterioration of plastics, paints, and vinyls.

#### Endangered Species

The DEIS failed to address off-site impacts of the proposed launches adequately. Our reviewers have suggested that the DEIS should include discussion of possible noise and air quality impacts to endangered forest birds residing offsite.

Ophicolossum concinnum is a Category 1 candidate for designation as an endangered species. In general, little is known about this plant, since it spends most of its lifecycle as an underground dormant rhizone. It appears at the surface only ephemerally, when leaves and sporangia develop in the 2-3 months after heavy rains. What mitigative measures are proposed for Ophicolossum concinnum and under what circumstances will they be implemented?

Nothing is known of the transplantability of <u>O. concinnum</u>. Under the provisions of the Federal Endangered Species Act, transplantation of Category 1 plant species <u>O. concinnum may</u> be acceptable at this time. However, at the point that it becomes officially declared an endangered species, transplantation will no longer be acceptable. It is our understanding that Category 1 plant species are projected for listing as endangered sometime in 1992. If specimens are identified on site after they are officially declared as endangered species, their disturbance, even for transplantation will no longer be legal. In addition, our reviewers are not aware that this species has been shown to be successfully transplantable, and they suggest that the U.S. Army try transplanting on an experimental basis.

#### Air Quality

In reviewing the air quality impacts for the STARS project several areas inadequately discussed in the DEIS have been identified.

1. The DEIS states that, in the event of a launch pad accident in which the entire missile detonates, although the emission levels might exceed acceptable levels for a short period, the potential impacts are not expected to be significant. What background data support this statement? Were any studies or analyses performed to anticipate potential disaster scenarios? The document should discuss the potential impacts of a launch pad accident in more

#### WFI496 (cont.)

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U.S. Army Strategic Defense Command April 13, 1992 Page 4

- In the event of an accidental release, it is possible that an on shore wind might carry release products to the highway adjacent to FMRF and populated areas of Kauai such as Kekaha. What potential impacts of a release on populated areas of Kauai can be anticipated?
- The document should present state standards for emission levels of carbon monoxide. Why is 3000 meters chosen for the 8-hour average concentration levels.

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4. Our reviewers reiterate that the fuel vent experiments would contribute to further ozone depletion. Also, transporting and storing the hydrazine fuel needed for these experiments is very hazardous. We suggest that the KIS should therefore consider the "no action alternative" for these experiments specifically.

#### Launch Activities

Section 4.10.1.3 (page 4-53) states that it is unlikely that any flights would have to be terminated because of "an overall system reliability of 97 percent and a higher individual component reliability." Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system, assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be provided with regard to the results of previous test launches of Polaris boosters to allow a better assessment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a single successful launch is 97 percent, the probability of 40 successful launches is only 30 percent.

The scenario described on page 4-53 in which the booster was destroyed because it had pitched back toward the island should be described in greater detail. We note that this scenario is similar to the Aries launch failure at Cape Canaveral on August 20, 1991. Press accounts of the Aries failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS ETS should indicate to scale on a map of the area around PMRF, where debris from a similar failure would hit the ground. Could a similar STARS failure be detected and the destruct command issued in 15.1 seconds as assumed in the DEIS?

#### TRPUF & REFIM Computer Models

Our reviewers found the discussion of the TRFUF and REEIM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter, still inadequate. No detailed evidence is given to support the preference for the REEIM predictions as the better estimator. It is difficult to understand why these two models should yield

#### WR496 (cont.)

U.S. Army Strategic Defense Command April 13, 1992 Page 5

results which differ by factors of 10 to 400. Why were'nt the comparisons done for the same wind speed? Is the wind speed parameter significant? Tables 3-1 and 3-2 of the Supplement to the STARS EA, TRPUF results are given for a wind speed of 0.46 m/sec. Our reviewers believe this result is important, because the carbon monoxide concentration is predicted by TRPUF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The REEDM results in the DEIS do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.252 ppm in Table 4-5 of the DEIS but is 0.027 ppm in Table 3-1 of the Supplement. Such discrepencies cast considerable doubt on the reliability of the results quoted for REELM. We conclude that the information given in the DEIS is not sufficient to provide confidence that STARS launches will have no significant impact on air quality. The TRPUF and REEDM models need to be compared for the same wind speed, and data from previous launches should be used to try to decide which model is the better estimator. Why has the DEIS neglected to include such information?

#### Impacts Upon the Marshall Islands

Our reviewers were surprised to find that this DEIS did not describe the potential impacts to the people and natural environment of the Marshall Islands. Are there no potential impacts, and if so, what is the basis for this determination?

#### Cumulative Impacts

The cumulative impacts of all planned launch activities at FMRF need to be clarified and considered in more detail. For example, page 2-25 mentions that during the ten years of StARS launches, there would also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around FMRF for these launches might have to be cleared as many as thirty times per year. The Vandal launches were neither mentioned in the original STARS EA nor the Supplement, and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered.

#### Significance Criteria

The evaluation of significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 114B2 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFCs in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol,

#### WR496 (cont.)

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U.S. Army Strategic Defense Command April 13, 1992 Page 6

whose goal is to dramatically reduce the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawai'i to help protect the ozone layer, freon release by the STARS launches appear quite significant.

#### Public Recreation

Our reviewers note that increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 58% may be very significant to the residents and visitors of Kauai. Why do the preparers of this document regard such an increase to be insignificant? What would be considered significant, and why?

Thank you for the opportunity to comment on this document. We look forward to your consideration and response to our comments, which we hope were helpful.

- W/// ·

Yours truly

John T. Harrison, Ph.D. Environmental Coordinator

cc: OEQC
Michael Jones
Roger Fujioka
Marshall Mock
Anders Daniels
Leonard Freed
Michael Graves
Roy Takekawa
Charles Lamoureux
Alex Buttaro

April 12, 1992

U.S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alalbama 35807-3801

#### COMMENTS ON THE STARS DEIS

To Whom It May Concern:

I am writing to express my support for the Strategic Target System Draft Environmental Impact Statement. I work at the Pacific Missile Range Facility at Barking Sands, and I know that the programs carried out here are done so with the greatest possible concern for safety and the environment.

Based on the Draft EIS, which incorporates environmental and safety concerns raised by the public, I am confident that the STARS program will take unprecedented measures to ensure public safety and protect the environment. The willingness that has been displayed by officials of the Strategic Defense Command to listen to the public has further strengthened my confidence that all legitimate concerns will be fully addressed, and mitigations will be implemented to ensure that there will truly be no significant impact on the environment.

In spite of my confidence that this program can be carried out property, there is one area that the EIS should address in greater detail. This is the impact that the no-action alternative could have on PMRF. A large share of PMRF's overall business is derived from research and development programs such as STARS. Research and development programs are a vital part of many of our jobs. As PMRF's largest R&D customer, STARS is important to PMRF's continued viability. Consequently, STARS will help to ensure the continuation of the benefits that the community receives from PMRF.

page 1

WR497 (cont.)

1

Page 2

Based on these facts, I believe that the EIS should go into greater detail in describing PMRF's long and continuing history of benefitting the community benefits the community. Additionally, I believe that it should be stated clearly in the EIS that under the no-action alternative Kauai would be much closer to losing PMRF and its benefit to the community than if the STARS program moves forward. Attached are some fact sheets obtained from the PMRF public affairs office which contain some information that is not included in the Socioeconomics section of the EIS.

If community activists are able to kill one program at PMRF, this does not bode well for the future of the base as a whole. It may be a surprise to some that the MR in PMRF stands for MISSILE RANGE, and It does not take a rocket scientist to figure out that the days of PMRF would be numbered if it is not allowed to launch missiles due to the rantings of extreme activists.

Sincerely,

Patrick Alvarez
P.O. Box 520
Kekaha, Hawaii 96752

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#### WR497 (cont.)

QUESTION: Identify all the dollars that flow into Hawaii's economy from PMRF, including salaries, construction projects, payment for utility services and any other areas of cash flow. If available, include information on the number of indirect jobs created as a result of PMRF.

ANSWER: Identified below are PMRF's estimated economic impact on Kauai and Hawaii for FY 92:

Salaries (military, contractor,

civil service and Non-approp.) \$30,397,000
Construction projects \$7,400,000
Utility costs \$1,707,000
Purchases \$7,622,200
Expenditures for leases, travel,
aircraft consumables, etc. \$6,084,000

Combined operating budgets of

tenant organizations \$21,349,000
\*Official visitors \$3,334,500
Impact Aid Funds to schools 21,300

#### Total estimated economic impact: \$77,915,800

Jobs at PMRF include:

Civil Service 130
Military 134
Contractor 456
Non-Approp. Fund 65
Tenant Org. 124

Total:

909

\*This figure is based upon 4,500 vehicle passes issued to visitors at PMRF who traveled on government orders to work at PMRF. The 4,500 was multiplied by 1.5 people (some travelers bring family members), multiplied by three days (average visit) totalling 20,250 visitor days x \$148/day per diem = \$2,997 million plus \$337,500 for vehicle rentals. (Note: Many travelers extend their visit when their official duties are done; the figure above does not reflect their extended visit.)

Other jobs created as a result of PMRF may include employees working for restaurants, financial institutions, hotels, insurance

#### WR497 (cont.)

companies, markets, utility, shipping, construction and office equipment companies, teachers, visitor industry employees and more. We do not have an accurate estimate for this category.

Additionally, many family members of PMRF employees work in the local community.

According to First Hawaiian Bank Research Assistant Bill S. Akamine, Jr., PMRF is considered a "sizable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "to date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well." Based on data obtained by PMRF during the drafting of the STARS Environmental Impact Statement, the average annual wage in the visitor industry was approximately \$17,900 in 1990, while the average annual wage for civilian personnel at PMRF was approximately \$34,000 in 1991. This data supports Akamine's statement that, "PMRF would be a major employer of higher paying jobs on Kauai."

#### **197148?** (cont.)

April 1, 1992

 As you asked, the following information provides economic data on PMRF's impact on Kauat's economy.

#### Economic Impact to Kausi due to activity at Sandia's Kausi Test Facility:

- KTF employs 14 permanent, on-site personnel
- ▲ KTF's \$850,000 to \$2.5 million annual operating budget is a beneficial factor in Kauai's economy
- A KTF employs 50 to 75 transient personnel from the mainland during operational periods (60 days per year) for routine taunches
- Example: During ZEST launches conducted 2 and 10 September, SDI spent \$750,000 for lodging at local hotels and transportation of transient personnel who were onboard PMRF to support the launch.
- Lip to 100 transferst personnel from the mainland may be employed at KTF for STARS and EDX transfers. Support personnel will stay at local hotels.
  - ▲ Construction work at KTF carried out by construction companies located on Kauai

#### Pacific Maste Rance Facility

- A CN6 Service Employees: 113 (approx. 77 percent are local hires)
- Milay: 137
- △ Contractor: 456
- Tenant organizations: 140 (approx. 98.9 percent of contractor and tenant organization employees are local hires)
  - ▲ Total expenditures (including tenant activities): 72.5 million
  - ♠ FY \$1 (P\$RF) operating budget: \$50.155,000
    - Civil Service payroil: \$5,600,000
    - Military payroli: \$4,516,900
    - Contractor payroll: \$19,500,000
  - FY 92 (PMRF) operating budget: \$51.151.000
    - Civil Service payroli: \$5,600,000
    - () Millary payrol: \$4,706,600
    - Contractor payroli: \$19,500,000

#### PMRF Construction costs:

- A FY 91: \$5,237,000 (actual)
- FY 92: \$7,400,000 (estimale)
- FY 93: \$14.6 million (estimate)
- ☐ Pariding Apron ...\$4.6 million
- (1 13 family housing units...\$4 million
- Special projects...\$8 million

#### Visions (official):

20,250 visitor days x \$148/day per diem = \$2,997 million + \$337.5 thousand auto rentals excluding extra days and family travel (Based upon 4,500 vehicle passes (on orders) x 1.5 people x 3 days (average stay!)

#### PMRE Purchases (FY 91)

- ▲ Total purchases \$5,593,325
  - From small businesses \$3,467,862

#### WR497 (cont.)

- From minority businesses \$727,132
- □ From large businesses \$2,125,463
- Purchases within Hawaii \$3,915,327
- Purchases within Kauai \$3,500,000
- Purchases out of state \$1,677,998
- According to First Hawallan Bank Research Assistant Bill S. Akamine, Jr. PMRF is considered a "sizable" employer on Kaual. Although it was difficult to determine our impact on Kaual's economy, he said "to date, Kaual's economy, he said to date, Kaual has 29,200 jobs. However, a sizable portion is part-time job in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well. Hence, in this respect, PMRF would be a major employer of higher paying jobs on Kaual.

#### PMRF. a good neighbor;

#### Members of the PMRF chana have supported the following activities:

- Captain Cook celebration
- Armed Forces Day parade
- B.A.R.E. and "Just Say No" Waimea High School Volleyball Tournament
- FCA Toys for Tots Campaign
- Annual surfing contests
- Scouting
- Kaual Educational Association for Science and Astronomy (KEASA).
- Adopt a School Program
- Officer for a Day Program
- Anahola flood support
- A Rotary participation to include \$10,000 scholarship
- ♠ Chamber of Commerce participation
- United Way
- Recycling program
- Federal Junior Fellowship Program (scholarship)
- We here at PMRF are especially proud of the Federal Junior Fellowship Program. The program is a career-related, work/study program for students who are pursuing a baccalaureate or associate degree, or an undergraduate certificate or diptoma. This scholarship program pays fulfultion, books and travel expenses for the student.

#### Additional points:

- PMRF has a full-time environmental engineer and actively supports/maintains several endangered species of plants and sea mammals that are found on base and on our beaches.
- PMRF's OSH safety officer, who is also a Hawaiian minister, advises the command on Hawaiian tradition, customs and sensitivities.
- PMRF's underwater data collection equipment is also used by the University of Hawaii for special data collection on whates and other marine creatures.
- PMRF provides area help to KPD; offers medical aid; search and rescue services, EMT support and our fire department works closely with the County fire craws to support the community.
- PMRF Range boats have saved the lives of fishermen...rescues at sea and towing in stricken vessels
- A PMRF provides heavy equipment and labor support to the State of Hawaii, Department of Land and Natural Resources for repair of the access road to Polihale Beach park. Additionally, we support the County of Kauai with labor and equipment when County officials have requested.

PMRF has an excellent relationship with Kekaha Sugar Company.

2. Information derived from the Draft Environmental Assessment reflect PMRF's total expenditures total \$72.5 million (this figure includes all activities and tenant organization expenditures).

WR498

#### Written Comment Sheet

## **Strategic Target System Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Shortly after WWII, an underling in the State
Department conceived the idea of a "cold war", sold the idea
to the Secretary of State, who in turn sold it to the Administration and the terrifying arms race was born.

Communist Soviet Union was selected as the cold war -threat and was drawn in to the nuclear arms build up. Their involvement ended last year in Red Square when the military

did not fire on the people assembled to protest.

Thus, the contrived reason for the cold war no longer

Throughout history mankind has been threatened with disease, pestilence, plague, starvation, drought, natural disasters and wars, but mankind has never had a threat as great as the nuclear weapons build up the U.S. cold war initiative created. That is one of the issues in this protest against Star

In Astoria, Oregon when my wife Sally O'Donnell, a. County Commissioner, was trying to protect the Nuclear Free Zone County from the entry of the Trident Nuclear Submarine Alkabama, she was told by the Navy that the people may not want us, you may legislate against us, but it really doesn't matter; the U.S. Military will do what it wants to do in your County.

We were also told that the Alabama, when armed, and we can't tell you if it is armed at this time, has more fire power than everything combined that was used during WWII, in fact more firepower than all firepower expended since the beginning of time.

Name SAMES M. O' DONNELL

PRINCEVILLE, HIT 96722 Address PO Box 3500 - MSC 144

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

#### STICH (cork)

Comments 0'Donnell Page -2-

Nuclear weapons, nuclear submarines, (which incidentally are regularly off the shores of Kauai) and missiles do not belong on Kauai; THEY DO NOT BELONG ANYWHERE;

Western European nations do not want our Nuclear Military Installations.

The Philippines do not want them

Japan doesn't want them

Australia doesn't want them

Mayor Dinkins of New York City doesn't want them

THE PEOPLE OF KAUAI DO NOT WANT THEM!!!!!!!

In addition, the specious argument about the positive economic impact of a military installation is an insult to our intelligence.

The big losers in WWII, Japan and Germany have the strongest economics in the world, primarily because they did not have to waste money and resources on building armaments.

In contrast the Soviet Union has been bankrupt by the cost of the cold war and the United States has become a second rate economic power because of the cost of "defense."

When the people of Russia turned back the military in Red Square it left the United States as the only "advanced" nation that believes the world's problems have a military solution. How ridiculous is that position? What problems did the carnage the United States inflicted in Desert Storm solve?

This century began with countries who dealt in military colonialism ruling the world. Great Britain, the model the U.S. has tried to emulate was the strongest of these powers. But, in this century Britain has lost its' colonies, its' power, and has become a fifth rate nation.

The age of military colonialism and military conquest has passed. Not one country taken over or losing a war has remained permanently under the domination of the conqueror in 80 years.

It is ironic that Hawaii, a victim of U.S. military colonialism, has taken so long to regain its independence. Its' independence that it will regain will not be the independence it gave up, but when the military domination of Kawai ends, which is now represented by Star Wars and the military facilities here, the native Hawaiians will regain their homelands (because only the gun to the head has held back the restoration) and the rest of the State will begin to get out from under the false \$3 billion dollars of military expenditure that costs far more than it contributes.

#### WT1496 (cont.)

Comments O'Donnell Page -3-

#### ADDENDUM:

On the second day of the public hearing the New York Times published on its op-ed page an article headed "Star Warriors on Sky Patrol."

That article is included with this testimony with the highlighted areas being of particular importance.

NEW YORK TIMES OP-ED - WEDNESDAY, MARCH 25, 1992

"The cold war had ended. Governments on both sides of what had been an iron curtain were making plans to convert nuclear weapons laboratories to civilian purposes and to begin dismantling their huge arsenals of nuclear missiles. But on a bitterly cold January morning in New Mexico, a hundred scientists gathered at the Los Alamos National Laboratory to discuss new nuclear armaments. Many of the nations's top experts on nuclear weapons and "Star Wars" were there, including the legendary father of the K-bomb, Edward Teller. The press was barred from the meeting.

It was a call to arms, according to reports of some people who were there. One speaker called for a fleet of 1,200 powerful new missiles to be made ready and armed with the world's entire arsenal of nuclear warheads Dr. Teller himself urged the development of a new superbomb--ten thousand times more powerful than any bomb ever built, a bomb so powerful it could never be detonated on Earth."

WR498 (cont.) Attendance/Mailing List (Please print) Name JAHES M. O' DONNELL State/Zip Code Please check box if you would like to be added to the Strategic Target System mailing list. WR498 (cont.)

### Star Warriors on Sky Patrol

think you of low life idiots tiging to look good by dealing with big weapons. The army is a bad interence for little children growing up, They Think the cool thing to do is to play guns and army and to shoot inocent We don't MATHY What society does No don't paridise, Name Chia Granda Advess 6433 Kaniphon &P. Kapan, Harvaii 16746

4/7/92

Dear Senator Inouye,

We do not want to have the Star Wars Program on Kanai. We are concerned not only about the unforseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo, Ann Matthews P.O. Box 869 Kilauea, HI 96754 WR501 Dear Mr. Gallien, I live here on the island of Kavai, and to say that In appalled at the recent information I've been hearing Would be a great understatement. I am very much against the recent Star Wars proposal. My vote against it would be based upon the many facts I've found. 1) the pollution to our very unique environment 2) the awful Safety record of the launchings 3) It would put kavai high on the hit list for opposing threats in a crisis of war, as opposed to a less 4) The les that Aldric Saucier revealed about where our large amounts of tax dollars go 5) Castly, the undescribable acts our country places upon another people and their land. We infested and runed the Marshall Islands like un epidenic. Don't involve me and my island in your power and money struggle the world is sick enough.

MA Apallower

WF1502

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12 April 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSED-EN-V (D.R. Gallien)
Post Office Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

I have read the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992, and I agree with the overall finding of no significant impact. I watched the majority of the public hearings 24 and 25 March 1992 and I do not agree in any manner with the idea commonly proposed there by the opponents of the program of essential total destruction of the island of Kauai due to any impact on the environment of Strategic Target System related actions.

The only area in which I would like to see more data or analysis would be in the localized impact on stratospheric ozone levels. The document basically relates impacts to the total global environment, yet my understanding from the common media is that ozone is apparently being depleted in localized areas. While I still do not imagine a significant impact due to these proposed launches, I would like to see an analysis of the localized impact if possible.

To repeat, I agree with the overall findings in the Draft Environmental Impact Statement of no significant impact.

Sincerely.

Mark H. Damron P.O. Box 706 Hanapepe, HI 96716 WHEO3

Dear Senator Inouge,
Was not want to have the Star War program on
Kavai.
We are concerned not only about unforeseen environ-

the are concerned not only about unforeseen enormamental impacts and more damage to the ozon-layer, but also regative consequences for the tourist visits, our main rouse of income

The outcome the whole issue has already on the relationship of the islanders is something very saddening.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Sincerely, Svenja Ermrich P.O. Box 818 Kilauca Hi, 96754 WR504

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draff ETS is totally insufficient and was not conducted by an independent organization. The main source of income on Kauni is the visitor industry. Our tairiets are attracted by the natural tractorally address adverse offered on our economy of an accident or even the potential of an accident Kauni is home to many indamy creates about the project. For that reason in pacte of by this project. For that reason is lotally injured to continue. It is lotally injured to continue. It is lotally injured to continue. It is lotally injured to continue. It is lotally injured to Accide is called for.

Name in san illustra.

Address in the state of a way the format of the san illustra.

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Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien)

P.O. Box 1500 Huntsville, Alabama 35807-3801 WR505

#### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I would not like missiles here because I love the island I live on I also have friends all over the island so wherever it landed it would be dreadful. Not only that its an awfully expensive thing. I am 9 years old in grade four and I think they should spend the money on something more useful like education or medical services. In school we are learning about our earth, outer space, geography , and other countries. We should concentrate on finding peaceful solutions with misunderstanding with other countries. Kauai is a very peaceful Island almost like: Paradise used to be. To turn it into a military target would ruin it and its beautifulness. Why don't you put it semewhere where there is nothing to ruin in any way like families , beauty , or peacefulness.

How about putting it in the North Pole or the Aleutian Islands? You wouldn't hurt very much and it could reach a lot more places.

Name \_\_\_\_\_

City/Seate/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR506

4/10/12

Dear Senator Inouye and Mr. Gallien

I strongly oppose the idea
of Star Wars program on the
island of Kawai for many
reasons

as a member of this commun:
ity, and a supporter of FMRF,
and a United States citizen

I urge you to put a stop
to the idea of STAR WARS
Program here
I also have 3 teenage knys
who feel the same as their
mather
Thank-you!

Deblie Stokes

Kapaa, HI 96746

WR507

### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I HAVE A COPY AND HAVE DEVIEWED THE DEIS, I AM NOT SWAYED TO WELLOW ITS DETECTIONATION OF NO SIGNIFICANT IMPACT ON THE ENVIRON-MONT OF KNUAL OPPOSE THE STARS PROJECT ON THE PRINCIPLE THAT IT WILL Affect KNUAL! AND THE EFFECTS OF THE LYMINKINGS CAN ONLY WE NEGLATIVE. I wan'T SHATE ALL MY REMOONS FOR YOU HAVE HOMED THEM ALKEADY, MANY TIMES CHE BY MY FELLOW KANAHANS IN WETTING AND DUCING THE MEARINGS (WHICH I HIM ATENDED) UPSETS ME IS THE LICE AND PROPAGRADA FED TO THE WOOSERS AT PMILE. THESE PEOPLE MULY INCLINE THEIR JOBS ARE AT STAKE I KNOW YOU SAM THIS WASH I THE CASE IN ONE NEWSPAPEL AFTICK - IS IT NOT GOLY SEEM TO MAKE TILLY THE PARKE WORKERS AT TUESDAY NIGHTS MEARING (3 by) THE FOLKS FROM PHRY WELL SCHEMING THEY'D BE ON WELFARE IF THE SIMES PROTECT FOR NOT FROM OU THIS ISUAND, THIS IS A CIK VAND Name LOUGAING BICHARDSON KILANGA HI 96754 Address YO VCX SOL City/State/Zip Code

> Please hand this form in or mail by April 13, 1992 to: Deputy Commander

U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500

Huntsville, Alabama 35807-3801

WRS07 (cont.)

I HAVE TO BELIGHE IT IS A RUMOR THET WAS PURPOSELY PLANTED IN ORDER TO PREDISE THE WORKERS HAT PAIRE TO STAND UP AND FIGHT FOR THE SIMES YROTECT (IN ACTUALITY THEY WORKE FIGHTING FOR THEIR 2015),

THIS IS IMPORTANT. I DIBN'T HEAR PEOPLE PUSHING FOR THE MISSILE CHUNCHES DECINSE OF THE BENEFIT TO AMERICA'S SECURITY - OR SOME SUCH DANION AS TO THE BENEFIT OF SUCH A PROGRAM, NO, PEOPLE SPOKE UP FOR THE PROGRAM—FOR THEIR TOBS. THIS IS UNFAIR PROPREMENTATION TO USING FEAR AS A TACTIC PANO IT ONLY SCRUES TO DIMINISH MY FAITH IN YOUR LEADERSTIP.

ALSO, I WOULD LIKE TO KNOW (I WOULD APPRECIATE A RESPONSE HERE) WHO PAID FOR ALL THOSE YELLOW T-SHIKTS.

THE PEOPLE WEARING THEM (AND I ASKED SEVERAL) SAID THEY DIDN'T KNOW WHO PRODUCED THEM; THAT THEY WERE OKOPROOFF HAT THE RANGE. WERE THESE SHIKTS PAID POR BY TAX PAYELS DOLLARS?? I SINCEKELY HOPE TO NOT.

THANK YOU FOR GIVING ME THIS OPPORTUNITY TO EXPLICIS MYSELF.

Son Hall

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

P.O.B. 189 Anahola, Kaua'i 25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home last night I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kaua'i, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missle Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious WR508 (cont.)

history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, kaua in ancient Hawai'i, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kaua'i's citizens by destroying those of Kwajelein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajelein regain their homes, and to help native Hawaiians on Kaua'i re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajelein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellowcitizens' compassion and help.

Heu'ionalani M. Wyeth

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WR509

### Written Comment Sheet

# Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Share recordly moved to Keua's where I will give but to my first child this spring. I came to Havan because of it's untainted beauty and healthy unspoiled invormment. I am applied to find out that there is now in property as well as the safety of my life and that of my unborn child.

The Star Wars Program is ludicrous. It is important that we about this insideous and hunous 501 Project now. How done the US Goot by to pass of 501 as innocuous to the environment and its infishtants:

The importy and anguist the previous testing of muclear missiles has caused the indegenous people of the Marshall Islands is inhuman.

Name Malissa Morrow

Address (Deveral Delivery, Kilavea Kavai HI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR509 (cont.)

They must be compensated for the unconscionable cromes already committed against them. No further testing can be towarded.

Three i these "war toys" destroyed enough lives, damaged inough of our escryptems and rendered enough land uninhubidable? Please keep these "death machines" off Mariae. The Potaris Misules have been proven to be inefficient and should be obsolite! We cannot afford even one catastrophic on such a small and delicate island.

Liasi act in accordance to your higher conscience and be tenacious on this issue, as it will inevitably hur global consequences

I besuch you to stop the SINA'S program planned yor PMRF and protect the future of Rausi and the Pacific Islands.

Thank you, Milina Morrow

2-300

JOHN WAIHEE



JOHN C. LEWIN, M.D. DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P. 0. 80X 3378

P. O. BOX 3378 HONOLULU, HAWAII 96801

in reply, please refer to

April 21, 1992

92-122/epo

Deputy Commander U. S. Army Strategic Defense Command CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, AL 35807-3801

Dear Sir:

Subject: Draft Environmental Impact Statement (DEIS) for the Strategic Target System

Thank you for allowing us to review and comment on the subject document. We have the following comments to offer:

On September 26, 1990, in a letter addressed to Mr. Randy Gallien, we commented on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems in Kauai. These comments are still applicable, and a copy of that letter is enclosed. The only additional comments that we would make at this time are the following:

 A serious concern exists as to the devastating impact an early termination of the booster, either on the launch pad or just above the launch pad, would have on the surrounding environment and human health. When the booster is terminated, both burning and unburned booster propellant, along with the hydrazine and nitrogen tetroxide liquid propellant in the rocket, will be dispersed over a wide area.

The draft EIS does not address the effects these dispersed chemicals would have on the environment and the risks posed to human health. It also does not fully cover what actions will be taken to clean-up the chemical contamination and to handle the disposal of the contaminated hazardous waste. The final EIS should address these issues and include a contingency plan which would be used in a response to an accident of this type.

WR510 (cont.)

Deputy Commander April 21, 1992 Page 2 92-122

3

 The EIS should disclose the extent of heavy metal and corrosive releases expected from normal atmospheric flight operations.

If you should have any questions, please contact Mr. Michael Miyasaka at 586-4226.

Very truly yours,

JOHN C. LEWIN, M.D. Director of Health

Enc.

c: Solid and Hazardous Waste Branch

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WR510 (cont.)



JOHN C. LEWIN, M.O.

STATE OF HAWAII DEPARTMENT OF HEALTH

P. C. BOX 2378 HONDLULU, HAWAII 96501

September 26, 1990

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2-170

Mr. Randy Gallen, USASDC CSSD-EN 106 Wyon Drive P.O. Box 1500 Huntsville, Alabama 35807-3801

Dear Mr. Galtien:

Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

### Air Pollution

The Environmental Assessment should provide as an appendix a detailed discussion on the air quality impact analysis. As a minimum, the following areas should be addressed:

- The air pollution dispersion models and the meteorological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.
- Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.
- The impact is calculated for a distance of 3,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.
- The assessment of the emissions and the air quality impacts resulting from a liquid fuel spill, a launch pad explosion, and an early launch termination should be conducted.
- It is not clear whether only solid propellant boosters will be used or whether liquid propellant may be used as an alternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

WR510 (cont.)

RANDY GALLIEN

-2-

September 26, 1990

Health risks associated with air quality impacts should be discussed. At a minimum, the impact results with threshold limit values adjusted with an appropriate safety factor should be compared. If would stop be important to discuss long-term effects appointed with repeated exposures to potential air pollutants including cardinogenic effects. Within case and most likely case scenarios should be considered.

### Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of

### Hazard Evaluation and Emergency Response

- The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Defense Agency and the Kauai County Civil Defense Agency.
- For spills occurring during fueling/defueling of Hydrazine and Nitrogen tetroxide: "washing down to dilute concentrations" is not the best method for clean-up of these chemicals. Using sand or other absorbent material is the method of choice. Water spray should be used to control vapors (DOT 1990 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

### <u>Noise</u>

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event, faunches will not be simultaneous and the nearest noise sensitive area (residential), off base. is eight miles from the faunch site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyances. This environmental assessment must include an analysis on the potential noise levels at the various communities that may be affected.

Sincerely,

Tured. ardum BRUCE S. ANDERSON, Ph.D.

Deputy Director for Environmental Health

cc: Office of State Planning, Attention: John Nakagawa

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STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

35 SOUTH KING STREET, STM FLOOR MONOLULU, RAWAII 91413

REF-HP:STY

Robert F. Shearer Chief, Environmental and Engineering Office Department of the Army USASDC-Huntsville P.O. Box 1500 Huntsville, Alabama 35807-3801

Dear Mr. Shearer:

SUBJECT: Draft- E.I.S. for the Strategic Target System (February 1992) U.S. Army SDC

KTF-PMRF

Mana, Waimea, Kaua'i

Thank you for submitting the DEIS on your Strategic Target System project on February 21, 1992. The pad is already in place, and the additional infrastructure which will be built will include a possible subsurface fiber optic line and a few buildings. The area has already had its land surface extensively disturbed, and archaeological work to date indicates no significant historic sites are present.

Thus, as the federal agency responsible for this project your DEIS should make a effect determination on significant historic sites. As we did in your EA, we would agree with your "no adverse effect" determination on significant historic sites if all project elements that will disturb relatively unaltered land surfaces will undergo subsurface testing prior to construction to cover the possibility of sites being present and if significant historic sites are found, then appropriate mitigation will occur in accordance with your contingency plan.

We do have some comments and corrections in reviewing this DEIS:

 Under Section 3.5 <u>Cultural Resources</u>, page 3-27, the Nohili Dune which is a traditional historic place, is eligible for inclusion in the National Register of Historic Places. Your wording should reflect the dunes as traditional cultural property. The Nohili Dune is located just behind the launch pads at KTF. WR511 (cont.)

WILLIAM OF PATTY CHAIRPERSON

APPELER &
DOMAL MANAGE
ADVACUATION DEVELOPMENT
PROGNAM
ADVACE OF SOUNCES
COMPRIVATION AND
COMPRIVATION AND
RESOUNCES EMPOREMENT
MESOURCES EMPOREMENT

PERSONNERS ENFOR CONVEYANCES PORESTRY AND WALDLING HISTORIC PRESERVATION OTMODIX LAND MAHAGEMENT STATE PAPER

DOC NO: 4712

LOG NO: 1809W

1

MALEY WAS TAND DEAL OWNER.

Robert F. Shearer Page 2

This has been discussed in the EA for STARS and EDX (USASDC) and should be stated in this section. We are reviewing the draft document on this traditional cultural property now.

2. On page 3-28, archaeological testing has occurred in various areas within KTF, and some deposits were found near bore holes #3 and #4. We do not use the wording "negligible subsurface findings". Should this project have impact in this area, additional archaeological subsurface testing would be done to determine the extent of the deposits.

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- Under this section, additional archaeological reports have been done which should be synthesized and included in the FEIS. The reports are: Drollet (1991?), Yent (1991), Shun (n.d.), Walker and Rosendahl (1990), Jones (1992). Leidemann and Kirhinsmi (1990), Smith (1990), Douglas (1990), and Schiltz (n.d.).
- 4. Under Section 4.5 <u>Cultural Resources</u>, page 4-30, your DEIS mentions Fire (4.5.1.2), but nothing is mentioned about what will be done if a fire does occur in the dune area. Previous fires at KTF wers extinguished by dousing the sand on top of the fire, this practice should be avoided. The best mitigation for historic site protection may well be to let the fire burn itself out. The FEIS should describe mitigative fire control measures during a fire. We agree with the postburn archaeological survey.

All discoveries should be treated under NAGPRA, unless an MOA (the PMRF's draft Burial Treatment Plan) is signed. You should be aware under NAGPRA, all work in the area must cease for 30 days, and a letter written immediately from the Base Commander to the OHA and Hui Malama I Na Kapuns O Hawaii Nei.

You have set-up a contingency plan for mitigation should significant historic sites or burials be discovered. This is not in accordance with NAGFRA. We believe the following steps should be included in the plan:

- All work in the area would be stopped, no further disturbance should take place until the situation is assessed. Human remains should be covered and the site area stabilized.
- Consultation with all pertinent parties (KTF, DOE, U.S. Navy Archaeologists, SRPO, and appropriate Hawaiian groups) shall occur to determine the appropriate form of mitigation (data recovery/preservation).

2-303

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NM:sty

# WFS11 (comt.) Robert P. Shearer Page 3 If you have any questions regarding this matter, please contact Ms. Nancy McMehon our staff archaeologist for the County of Kaua'i at 587-0006. Very truly yours, Wrilliam W. Pary Chairperson and State Historic Preservation Officer cc: Rob Hommon, US Navy Archaeologist OHA (fax) Kaua'i Island Burial Council Tirzo, Gonzalez, Advance, Science Inc. Advisory Council, Western Region

CHAPTER 3 LIST OF PREPARERS

## LIST OF PREPARERS

Stan Berryman, Social Resources Group Director, Advanced Sciences, Inc.

B.A., 1970, Anthropology, San Diego State University

Area of Responsibility: Cultural Resources

Years of Experience: 17

Anita Boyd, Senior Production Editor, Advanced Sciences, Inc.

B.A., 1979, English, University of California, San Diego

Area of Responsibility: Production Editor

Years of Experience: 6

Fernando Bran, Ordnance Safety Specialist, Pacific Missile Range Facility

B.A., 1984, Business Administration, University of Hawaii

Areas of Responsibility: Launch and Ordnance Safety

Years of Experience: 21

James L. Dawson, Supervisory Program Analyst, Pacific Missile Range Facility

1965 - 1970, Electronic Technician

1970 - 1981, Engineering Technician

1981 - Present, Program Analyst

Area of Responsibility: Program Documentation Support

Years of Experience: 26

Kevin Donnelly, Director, Environmental Programs, Harris Group

M.S., 1982, Engineering Management, Air Force Institute of Technology

B.S., 1981, Civil Engineering, University of New Hampshire

Areas of Responsibility: Biology, Hazardous Waste

Years of Experience: 10

Ron Freeman, Natural Resources Group Director, Advanced Sciences, Inc.

B.S., 1971, Wildlife Management, Humboldt State University

A.A., 1967, Life Science, Mesa College

Area of Responsibility: Biological Resources

Years of Experience: 18

Dennis R. Gallien, Environmental Engineer, U.S. Army Strategic Defense Command

B.S., 1979, Industrial Chemistry, University of North Alabama

Area of Responsibility: EIS Program Management

Years of Experience: 12

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Richard Gonzalez, Project Engineer, U.S. Army Strategic Defense Command B.S., 1978, Mathematics/Chemistry, University of Texas at El Paso Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 14

Tirzo Gonzalez, Archaeologist, Advanced Sciences, Inc. B.A., 1976, Interdisciplinary Sciences, University of California, San Diego Area of Responsibility: Cultural Resources Years of Experience: 12

Albert Goodman, Senior Engineer, Advanced Sciences, Inc. Ph.D., 1960, Physical Sciences, University of New Mexico M.S., 1955, Physical Sciences, University of New Mexico B.S., 1945, Physics, City College of New York Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 44

Donald G. Hagedorn, Socioeconomist, Advanced Sciences, Inc. B.A., 1989, Economics, Loyola Marymount University Area of Responsibility: Publications Support Years of Experience: 15

Irene E. Hofer, Aerospace Engineer, Pacific Missile Test Center M.S., 1977, Administrative Science, Naval Postgraduate School B.S., 1958, Aeronautical Engineering, Purdue University Areas of Responsibility: Public Health and Safety Years of Experience: 33

Robert Inouye, Environmental Engineer, Pacific Missile Range Facility B.S., 1961, Chemical Engineering, Purdue University Areas of Responsibility: Socioeconomics, Infrastructure, Noise Years of Experience: 30

Richard Irwin, Senior Engineer, SRS Technologies B.S., 1981, Liberal Arts/Geology, University of New York Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 10

Richard S. Ivey, Vice President, Planning, CH2M HILL M.A., 1955, Political Science, University of California, Berkeley B.A., 1950, Political Science, Reed College Areas of Responsibility: Senior Review, Visual, Socioeconomics Years of Experience: 40

Vincent Izzo, Project Environmental Specialist, The Earth Technology Corporation B.A., 1985, Geography, California State University, Northridge Areas of Responsibility: Infrastructure, Public Health and Safety Years of Experience: 4

Edd Joy, Senior Geographer, The Earth Technology Corporation B.A., 1973, Geography, California State University, Northridge Areas of Responsibility: Public Health and Safety

Years of Experience: 17

Clay Kagawa, Associate Public Works Officer, Pacific Missile Range Facility

B.S., 1966, Civil Engineering, University of Hawaii

Licensed Professional Engineer, 1970

Areas of Responsibility: Description of Proposed Action and Alternatives

Years of Experience: 26

Cheryl Kimura, Electronics Engineer, Pacific Missile Range Facility B.S., 1989, Electrical Engineering, University of Hawaii, Manoa Area of Responsibility: Socioeconomics

Years of Experience: 3

Aubrey H. Kunishige, Program Manager/Ops Conductor, Pacific Missile Range Facility Diploma, 1970, Electronic Engineering Technology, Electronics Institute of Hawaii Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 21

Andrew O. Linehan, Program Manager, Environmental Documentation and Facilities Siting, CH2M HILL

M.A., 1984, Public Affairs and Urban and Regional Planning, Princeton University

B.A., 1978, International Studies, Reed College

Area of Responsibility: Senior Review

Years of Experience: 7

Keith Lusk, Socioeconomist, Advanced Sciences, Inc. M.A., 1985, Economics, State University of New York, Binghamton B.A., 1983, Economics, San Diego State University Area of Responsibility: Socioeconomics Years of Experience: 5

LTC August C. Manguso, Product Manager, U.S. Army Strategic Defense Command M.S., 1980, Industrial Engineering, University of Pittsburgh B.S., 1972, U.S. Military Academy Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 19

George M. Mathews, Jr., Senior Air Quality Specialist, Advanced Sciences, Inc. M.S., 1990, Mineral Resources Ecology, Colorado School of Mines B.S., 1968, Zoology, Colorado State University Area of Responsibility: Air Quality

Years of Experience: 13

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Stephen H. McDougle, Senior Engineer, Lockheed Engineering and Sciences Company B.S., 1973, Chemical Engineering, Northeastern University Area of Responsibility: Hypergolic (Liquid) Propellants, Public Health and Safety Years of Experience: 4

Rickie Moon, Environmental Scientist, Teledyne Brown Engineering B.S., 1977, Chemistry/Mathematics, Samford University Areas of Responsibility: Hazardous Waste Years of Experience: 7

Walter Odening, Vice President, Western Region, Advanced Sciences, Inc. Ph.D., 1971, Botany (Ecology), Duke University M.S., 1968, Biology, San Diego State University B.S., 1963, Biology, San Diego State University Area of Responsibility: Program Director Years of Experience: 23

Lawrence Pulido, Electronics Technician, Pacific Missile Test Center 1971 to 1974, Aerospace Engineering Technician, Launching and Ordnance Branch 1974 to 1984, Supervisor Electronics Section, Senior Electronic Technician, Surface Launch Areas of Responsibility: Public Health and Safety Years of Experience: 37

Leo Rahal, Senior Scientist, Advanced Sciences, Inc. Ph.D., 1977, Physics, University of New Mexico M.S., 1964, Physics, University of Detroit B.S., 1962, Physics, University of Detroit Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 26

William E. Rawson, Environmental Engineer, U.S. Army Strategic Defense Command B.S. EE., 1964, Electrical Engineering, Auburn University Area of Responsibility: Program Documentation Support Years of Experience: 27

Nelson Rodrigues, Director, Advanced Technology Group, Advanced Sciences, Inc. M.S., 1968, Astronautical Engineering, Air Force Institute of Technology B.S., 1966, Nuclear Engineering, Lowell Technical Institute Areas of Responsibility: Description of Proposed Action and Alternatives, Noise Years of Experience: 23

Irwin D. Smith, Operations Director, National Aeronautics and Space Administration B.S., 1958, Chemical Engineering, New Mexico State University Areas of Responsibility: Hypergolic (Liquid) Propellants, Public Health and Safety Years of Experience: 33

Tamara West Smith, Senior Editor, CH2M HILL Ph.D., 1976, Political Science, New York University M.A., 1972, Philosophy, New York University B.A., 1965, Philosophy, New York University B.S., 1963, Political Science, City College of New York Area of Responsibility: Project Editor Years of Experience: 33

Joan Solinsky, Manager, Publications Department, Advanced Sciences, Inc. B.A., 1968, English, University of California, Davis Area of Responsibility: Managing Editor Years of Experience: 24

Averiet Soto, Senior Project Analyst, SRS Technologies A.A.S., 1978, Electronics Technology, Boise State University Areas of Responsibility: Description of Proposed Action and Alternatives Years of Experience: 12

George Wandler, Senior Project Manager, Advanced Sciences, Inc. M.B.A., 1978, Business Administration, University of Tennessee, Knoxville B.B.A., 1969, Business Administration, Memphis State University Area of Responsibility: Technical Support Years of Experience: 20

Bruce K. Will, Aerospace Engineer, Pacific Missile Test Center M.S., 1971, Electrical Engineering, University of Idaho B.S., 1963, Electrical Engineering, University of Idaho Areas of Responsibility: Public Health and Safety Years of Experience: 28

Jan M. Williams-Rice, Wildlife Biologist, Advanced Sciences, Inc. B.A., 1990, Biology, San Diego State University Area of Responsibility: Biological Resources Years of Experience: 2

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Dawz	Michele Nalani	WR270-1	2-219	3-80
24112	111111111111111111111111111111111111111	WR270-2	2-219	3-80
de Deo, M.D.	Edward	WR53-1	2-42	3-62
		WR53-2	2-42	3-62
		WR348-1	2-305	3-94
de Buhr	Evelyn	WR254-1	2-211	3-79
de Mello	Lilian	WR285-1	2-228	3-81
Deal	Chad	OR116-1	2T2-90	3-38
	<del></del>	WR263-1	2-215	3-80
Dean	Amanda	EX23-1	1-34	3-46
Dean	Sunshine	EX21-1	1-33	3-46
DeChidif	Victor R.	WR195-1	2-164	3-74
Dennie	Jane	WR167-1	2-146	3-72
Dent	Orville	WR212-1	2-176	3- <b>7</b> 5
		WR212-2	2-176	3-75
		WR212-3	2-176	3-76
		WR212-4	2-176	3-76
		WR212-5	2-176	3-76
		WR212-6	2-176	3-76 2-76
		WR212-7	2-176	3-76
Dente	Fred	WR7-1	2-6	3-54
Deranken	Marchelle	WR110-1	2-111	3-67
Deville	Emmet	OR105-1	2T2-73	3-36
		OR105-2	2T2-74	3-36
		OR105-3	2T2-74	3-36
		OR105-4	2T2-74	3-37
		OR105-5	2T2-74	3-37
		WR2-1	2-3	3-52

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

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		WR2-2	2-3	3-52
		WR2-3	2-3	3-52
	j.	WR2-4	2-4	3-53
		WR2-5	2-4	3-53
		WR2-6	2-4	3-53
		WR2-7	2-4	3-53
		WR2-8	2-4	3-53
		WR2-9	2-4	3-54
DeVille	Alia	WR430-1	2-353	3-99
Diamond	Caren F.	WR29-1	2-21	3-57
		WR29-2	2-22	3-57
		WR29-3	2-22	3-57
		WR29-4	2-22	3-5 <i>7</i>
		WR402-1	2-339	3-98
		WR474-1	2-365	3-101
Diaz	Sofia	WR127-1	2-121	3-68
Dobashi	Myron	OR139-1	2T2-120	3-41
		EX47-1	1-51	3-47
Domingo	Raymond	EX79-1	1-83	3-50
Donnell	Daniel	OR143-1	2T2-125	3-41
		EX6 <b>7-1</b>	1-75	3-50
Doty	Kay	WR59-1	2-45	3-62
·	•	WR332-1	2-297	3-93
Doutt	Martha L.	WR302-1	2-237	3-82
Downey	Catherine	WR199-1	2-167	3-74
Ducker	Foster	OR138-1	2T2-118	3-41
		OR138-2	2T2-119	3-41
		OR138-3	2T2-119	3-41
		OR138-4	2T2-119	3-41
		OR138-5	2T2-119	3-41
		OR138-6	2T2-119	3-41
Dunn	Alison L.	WR27-1	2-20	3-57

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

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		WR118-1 WR118-2 WR129-1 WR129-2	2-115 2-115 2-122 2-122	3-68 3-68 3-68 3-68
Durkin	Patrick L.	WR304-1	2-238	3-82
Dybbro	Dale M.	WR413-1	2-344	3-98
Dybbro	M.E.	WR419-1 WR46 <b>7-</b> 1	2-347 2-363	3-98 3-100
Eiser	Mary	OR13-1 EX68-1 WR114-1 WR114-2 WR114-3 WR114-4 WR114-5	2T1-46 1-75 2-113 2-113 2-113 2-113 2-113	3-24 3-50 3-67 3-67 3-67 3-67
Ellenburg	Chloe	WR68-1	2-80	3-63
Emrich	Svenja	WR503-1	2-382	3-104
English	Anne	WR51-1 WR353-1	2-41 2-309	3-61 3-95
Ermrich	Svenja	WR268-1	2-218	3-80
Farhot	Karime M.	WR98-1	2-105	3-66
Farwell	Heidi	WR370-1 WR485-1	2-320 2-368	3-96 3-101
Faye, Jr.	Alan E.	WR70-1	2-81	3-63
Faye, Jr.	L.A.	WR209-1	2-172	3-75
Fehring	Bruce and Cyndee	WR124-1	2-118	3-68
Fernandes	Billy	OR62-1	2T2-19	3-30
Fernandes	Lehua	OR62-1	2T2-19	3-30

<sup>\*</sup> OR comments located in Volume II
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Fernandes	Russell	OR44-1	2T1-83	3-28
Fernandes	William	OR43-1	2T1-82	3-28
Fernandez	Meridith Petro	WR446-1	2-358	3-100
Fernandez	Trista	WR337-1	2-300	3-94
Field	S.J.	WR410-1	2-343	3-98
Field-Grace	Sondra	OR7-1 OR7-2 WR456-1	2T1-36 2T1-36 2-360	3-21 3-21 3-100
Fitzgerald	Frances	WR309-1	2-241	3-82
Fleming	Charlene	WR40-1 WR40-2	2-32 2-32	3-61 3-61
Flessa	Paul	WR100-1 WR486-1	2-106 2-368	3-66 3-101
Forester	Deborah	OR149-1 OR149-2 OR149-3 WR64-1 WR399-1 WR433-1	2T2-131 2T2-131 2T2-131 2-49 2-337 2-354	3-42 3-42 3-42 3-62 3-98 3-99
Form letter 1		EX107-1	1-110	3-51
Form letter 2		EX108-1	1-110	3-51
Form letter 3		EX109-1	1-111	3-51
Foster	Jim	WR242-1	2-204	3-79
Frailey	Richele	WR243-1	2-205	3-79
Francisca	Beth	WR17-1 WR341-1	2-14 2-302	3-56 3-94
Francisco	Beth	WR271-1	2-220	3-80

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

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		WR271-2 WR335-1 WR335-2	2-220 2-298 2-298	3-80 3-93 3-94
Frank	Deborah L.	WR274-1	2-221	3-80
Frazier	Frances Halia	OR128-1 OR128-2 OR128-3 OR128-4 EX27-1 EX27-2 EX27-3 EX27-4	2T2-105 2T2-105 2T2-106 2T2-106 1-36 1-36 1-36 1-36	3-39 3-39 3-39 3-46 3-46 3-46 3-46
Freeman	Elizabeth	OR12-1 OR12-2 OR12-3 WR229-1 WR229-2 WR229-3	2T1-43 2T1-43 2T1-43 2-187 2-187 2-187	3-24 3-24 3-24 3-77 3-77 3-77
Freeman	Philip	WR19-1 WR479-1	2-15 2-366	3-56 3-101
French	Sally	WR96-1	2-103	3-66
Friedman	D.	WR439-1	2-356	3-99
Friend	James	WR273-1	2-221	3-80
Fujita	Guy	EX103-1	1-107	3-51
Fujiwara	Harvard A.	EX90-1	1-94	3-51
Fujiyoshi	Ronald S.	WR245-1	2-206	3-79
Furgeson	Suzanne Marie	WR505-1	2-383	3-104
Gailey	Susan	WR105-1 WR363-1	2-108 2-317	3-66 3-96
Garma	Marciana	WR253-1	2-210	3-79

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Gasaway	Asa	WR193-1	2-161	3-74
Gerardo	Sonny Cayetano	OR47-1 EX11-1	2T1-86 1-26	3-28 3-45
Gere	Ken	EX25-1	1-35	3-46
Gere	Una	EX24-1	1-34	3-46
Gettier	Nannette	WR189-1 WR189-2 WR189-3 WR189-4	2-158 2-158 2-158 2-158	3-73 3-73 3-73 3-73
Godinez	Micco	OR69-1	2T2-29	3-31
Gomez	Frank	EX69-1 WR384-1	1-76 2-329	3-50 3-97
Goodwin	Gregory Imes	OR106-1	2T2-75	3-37
Gotje	Martin	WR88-1 WR88-2 WR88-3 WR88-4 WR88-5 WR88-6 WR88-7 WR88-8	2-96 2-96 2-96 2-96 2-97 2-97 2-97	3-65 3-65 3-65 3-65 3-65 3-65 3-65
Graff	Phyllis D.	WR130-1	2-122	3-68
Graham	Mary Frances	WR455-1	2-360	3-100
Granda	Cassidy	WR210-1	2-173	3-75
Granda	Che	WR240-1	2-203	3-79
Granda	Chia	WR499-1	2-380	3-104
Granda	David	WR205-1 WR213-1	2-170 2-177	3-75 3-76

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Granda	Marquita	WR208-1 WR214-1	2-172 2-178	3-75 3-76
Granda	Melosa	OR54-1 WR132-1 WR311-1	2T1-94 2-123 2-242	3-29 3-68 3-82
Granda	Sierra	WR204-1	2-170	3-75
Greenberg	Jan	WR447-1	2-358	3-100
Grier	William R.	WR340-1	2-301	3-94
Guara	Mary	WR444-1	2-357	3-99
Guerra	Raquel	WR111-1	2-111	3-67
Guinivan	Thomas	WR151-1 WR151-2 WR151-3 WR151-4 WR151-5 WR151-6 WR151-7 WR151-8 WR151-9 WR151-10	2-136 2-136 2-137 2-137 2-137 2-137 2-137 2-138 2-138	3-69 3-69 3-69 3-70 3-70 3-70 3-70 3-70 3-70
Gulliksen	Gary	WR115-1	2-113	3-67
Hager	Jim	OR93-1 EX62-1	2T2-59 1-66	3-34 3-49
Hansen	Steve	EX44-1	1-49	3-47
Hanson	Jay	OR11-1 OR11-2 OR11-3 OR11-4 EX4-1 EX4-2 EX4-3 EX4-4	2T1-41 2T1-41 2T1-41 2T1-41 1-7 1-7 1-7	3-22 3-22 3-23 3-23 3-43 3-43 3-43

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Harmony	Zacheriah Branch	OR17-1	2T1-50	3-24
		OR17-2	2T1-51	3-24
		WR74-1	2-85	3-64
Harrison, Ph.D.	John T.	WR496-1	2-371	3-102
		WR496-2	2-371	3-102
		WR496-3	2-371	3-102
		WR496-4	2-371	3-102
		WR496-5	2-371	3-102
		WR496-6	2-372	3-102
		WR496-7	2-372	3-102
		WR496-8	2-372	3-103
		WR496-9	2-372	3-103
		WR496-10	2-372	3-103
		WR496-11	2-372	3-103
		WR496-12	2-372	3-103
		WR496-13	2-372	3-103
		WR496-14	2-372	3-103
		WR496-15	2-372	3-103
		WR496-16	2-372	3-103
		WR496-1 <b>7</b>	2-372	3-103
		WR496-18	2-373	3-103
		WR496-19	2-373	3-103
		WR496- <b>2</b> 0	2-373	3-103
		WR496-21	2-373	3-103
		WR496-22	2-373	3-104
Harty	Janeen	WR470-1	2-364	3-101
Hashimoto	Jackie	OR151-1	2T2-134	3-42
Hau	William	OR59-1	2T1-101	3-30
Hazlett	Anelle	OR4-1	2T1-31	3-20
		EX2-1	1-6	3-43
		EX26-1	1-35	3-46
Heacock	Don	OR118-1	2T2-92	3-38
		OR118-2	2T2-92	3-38
		OR118-3	2T2-92	3-38
		OR118-4	2T2-92	3-38
		OR118-5	2T2-92	3-38
		WR16-1	2-13	3-56

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		WR16-2	2-13	3-56
		WR16-3	2-13	3-56
		WR16-4	2-13	3-56
Hee	Marisha	WR386-1	2-330	3-97
		WR386-2	2-331	3-97
		WR386-3	2-331	3-97
Hee	Marsha	WR383-1	2-328	3-97
		WR383-2	2-328	3-97
Henderson	Frank	WR168-1	2-147	3-72
Henriques	Eugene	OR45-1	2T1-84	3-28
-	<b>G</b>	WR314-1	2-248	3-84
Hilbonson	M.	WR501-1	2-381	3-104
		WR501-2	2-381	3-104
Hill	Khiyani	OR38-1	2T1-76	3-27
	·	OR38-2	2T1-76	3-27
		OR38-3	2T1-76	3-27
		OR38-4	2T1 <i>-77</i>	3-27
Hiraoka	Bernice	WR288-1	2-229	3-81
Hirata	Gerald M.	WR162-1	2-144	3-71
		WR162-2	2-144	3-71
		WR299-1	2-235	3-82
Hoffmann, PhD	James	WR258-1	2-213	3-79
Holi	Wilma	OR95-1	2T2-62	3-35
Holley	Anson	OR99-1	2T2-66	3-35
•		OR99-2	2T2-66	3-35
		OR99-3	2T2-67	3-35
Honjiyo	William T.	OR75-1	2T2-35	3-31
		EX36-1	1-43	3-47
Hopkins	Kimberly	WR102-1	2-107	3-66

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Name (Last, Firs	st)	Comment Code	Document Location*	Response Location (Vol. I page #)
Horibe	Harriet K.	EX93-1	1-97	3-51
Horowitz	Adam J.	OR28-1 WR134-1	2T1-64 2-125	3-26 3-68
Hudson	Joan	WR244-1	2-205	3-79
Hughes	William C.	EX76-1	1-80	3-50
Hurd	Amy	OR91-1	2T2-58	3-34
Hutchings	Jennie	WR20-1	2-15	3-56
Ibanez	Ingrid	OR82-1 OR82-2 OR82-3 OR82-4 OR82-5	2T2-43 2T2-43 2T2-43 2T2-43 2T2-43	3-32 3-32 3-32 3-32 3-33
Illegible		WR149-1	2-135	3-69
Ingram	Renee	WR77-1	2-88	3-64
Inouye	Daniel K.	WR329-1	2-290	3-93
Inouye	Robert	OR14-1 EX5-1	2T1-47 1-11	3-24 3-43
Irwin	Joyce	EX32-1	1-40	3-46
Irwin	Richard M.	OR25-1 EX9-1 EX9-2 EX9-3 EX9-4 EX9-5 EX9-6 EX9-7 EX9-8 EX9-9 EX9-10 EX9-11 EX9-12	2T1-61 1-15 1-15 1-15 1-15 1-15 1-15 1-15	3-26 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-4

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		EX9-13	1-15	3-45
		EX9-14	1-16	3-45
		EX9-15	1-16	3-45
		EX9-16	1-16	3-45
		EX9-17	1-16	3-45
		EX9-18	1-16	3-45
		EX9-19	1-17	3-45
		EX49-1	1-52	3-47
		EX106-1	1-109	3-51
Ishikawa	Robert	OR53-1	2T1-92	3-29
Jackson	Norman W.	WR318-1	2-266	3-85
		WR318-2	2-266	3-85
		WR318-3	2-266	3-85
Jacobsen	David	. WR491-1	2-369	3-101
Jager	Diane	WR180-1	2-153	3-72
Jager	Fred	OR18-1	2T1-51	3-24
, 0		OR18-2	2T1-51	3-24
		OR18-3	2T1-52	3-24
		WR135-1	2-126	3-68
Jarvis	Barbara	EX28-1	1-37	3-46
		WR482-1	2-367	3-101
Jetty	Chas	OR71-1	2T2-31	3-31
Jones	Dr. Michael	OR105-1	2T2-73	3-36
		OR105-2	2T2-74	3-36
		OR105-3	2T2-74	3-36
		OR105-4	2T2-74	3-37
		OR105-5	2T2-74	3-37
Jones	Jullita	WR252-1	2-210	3-79
Jones	Ken	OR81-1	2T2-42	3-32
		OR81-2	2T2-42	3-32
		OR81-3	2T2-42	3-32
		EX64-1	1-68	3-49
		EX64-2	1-69	3-49

<sup>\*</sup> OR comments located in Volume II EXWR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		WR423-1	2-349	3-99
Jones	Mary Mildred	WR308-1 WR395-1 WR489-1	2-240 2-335 2-369	3-82 3-97 3-101
Jones	Michael	WR2-1 WR2-2 WR2-3 WR2-4 WR2-5 WR2-6 WR2-7 WR2-8 WR2-9 WR2-9 WR90-1 WR90-2	2-3 2-3 2-3 2-4 2-4 2-4 2-4 2-4 2-100 2-100	3-52 3-52 3-52 3-53 3-53 3-53 3-53 3-54 3-65 3-66
Jones	Roberta	OR112-1	2T2-85	3-37
Jordan	Judy	WR373-1	2-322	3-96
Ka'iakapa	Patricia	WR483-1	2-367	3-101
Kaauai-Anama	Nalai K.	WR192-1 WR192-2 WR192-3	2-160 2-160 2-160	3-73 3-74 3-74
Kaaumai-Anama	Nalani K.	WR117-1 WR117-2 WR117-3	2-114 2-114 2-114	3-67 3-67 3-67
Kaaumoana	Nanette	OR65-1 OR65-2 OR65-3 OR65-4 OR65-5 OR65-6 OR65-7 EX41-1 EX41-2 EX41-3 EX41-4	2T2-23 2T2-23 2T2-23 2T2-23 2T2-23 2T2-24 1-46 1-46 1-46 1-46	3-30 3-30 3-30 3-30 3-30 3-31 3-47 3-47 3-47 3-47

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Kagawa	Ross	OR73-1	2T2-33	3-31
Kaipaka	Marilyn Miki	WR412-1	2-344	3-98
Kalamau	Lei	OR63-1 WR89-1	2T2-20 2-98	3-30 3-65
Kanna	George A.	EX84-1	1-88	3-50
Kanoho	Ezra	OR2-1 OR2-2 OR2-3 OR2-4 EX1-1 EX1-2 EX1-3 EX1-4	2T1-28 2T1-28 2T1-29 2T1-29 1-3 1-3 1-3	3-20 3-20 3-20 3-20 3-43 3-43 3-43
Kaopio	Kaleialii	OR129-1 EX65-1	2T2-106 1-69	3-40 3-49
Kaopio Jr.	Matthew	EX14-1	1-29	3-45
Katahara	Glenn	WR295-1	2-233	3-81
Kawakami	Bertha	OR2-1 OR2-2 OR2-3 OR2-4 EX1-1 EX1-2 EX1-3 EX1-4	2T1-28 2T1-28 2T1-29 2T1-29 1-3 1-3 1-3 1-3	3-20 3-20 3-20 3-20 3-43 3-43 3-43
Kawamura	Edward	EX12-1	1-28	3-45
Kawane	Wallace M.	WR83-1	2-91	3-64
Kekahu III	John K.	WR325-1	2-271	3-85
Kelley	Mary Lu	WR43-1 WR331-1 WR331-2	2-34 2-296 2-296	3-61 3-93 3- <del>9</del> 3

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		WR331-3	2-296	3-93
Keough	Kirby	WR406-1 WR484-1	2-341 2-368	3-98 3-101
Kepner	Brandon W.	WR283-1	2-227	3-81
Keppeler	John	WR194-1 WR194-2 WR194-3	2-162 2-162 2-162	3-74 3-74 3-74
Kimball	Deborah	OR66-1 OR66-2 OR66-3 OR66-4 EX42-1 EX42-2 EX42-3 EX42-4	2T2-24 2T2-24 2T2-25 2T2-25 1-47 1-47 1-47	3-31 3-31 3-31 3-31 3-47 3-47 3-47
Knaps, MD	Albrecht	WR468-1	2-363	3-100
Kneps	Christine	WR420-1	2-348	3-98
Kolder	Teri	WR112-1	2-112	3-67
Korte	Gera	WR82-1 WR436-1	2-90 2-355	3-64 3-99
Kouchi	Ronald	EX45-1	1-50	3-47
Kucera	Darris	WR141-1	2-129	3-69
Kucera	Richard F.	WR142-1	2-130	3-69
Kuhn	David	WR47-1	2-37	3-61
Kunze	Marc	EX46-1	1-50	3-47
Kurasahi	Steve	WR91-1	2-101	3-66
Kuroiwa	Paul S.	EX88-1	1-92	3-51

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Kutaka	Vivian	WR34-1	2-26	3-60
LaFete	Soleille	WR267-1	2-218	3-80
Langford	Amy	EX19-1	1-32	3-46
Langford	R.	EX20-1	1-32	3-46
Lawrence	Randy	WR316-1	2-265	3-85
Lawshe	James S.	OR68-1	2T2-27	3-31
	•	EX33-1	1-40	3-46
		EX63-1	1-67	3-49
Layer	Robert	OR101-1	2T2-69	3-36
,		WR369-1	2-320	3-96
Leach	Collin	OR157-1	2T2-138	3-43
		OR157-2	2T2-138	3-43
		OR157-3	2T2-138	3-43
		OR157-4	2T2-138	3-43
		WR417-1	2-346	3-98
		WR488-1	2-369	3-101
Lee	Kekapa	WR318-1	2-266	3-84
	-	WR318-2	2-266	3-85
		WR318-3	2-266	3-85
Lee	Lee	WR445-1	2-357	3-100
Leihitu-Pellin	Carolina	WR464-1	2-362	3-100
Leone	Yolanda	EX72-1	1-78	3-50
Lerner	S.	WR495-1	2-370	3-102
Lester	Ruth Ann	WR1-1 WR349-1	2-3 2-306	3-52 3-94
Levine	Robert E.	WR6-1	2-6	3-54
Levine	Steven	WR487-1	2-368	3-101

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

Name (Last, First	)	Comment Code	Document Location*	Response Location (Vol. I page #)
Lewin	John	WR510-1	2-387	3-104
	·	WR510-2	2-387	3-105
		WR510-3	2-387	3-105
		WR510-4	2-388	3-105
		WR510-5	2-388	3-105
		WR510-6	2-388	3-105
		WR510-7	2-388	3-105
		WR510-8	2-388	3-105
		WR510-9	2-388	3-105
		WR510-10	2-388	3-105
		WR510-11	2-388	3-105
		WR510-12	2-388	3-105
Lewis	Dickie	WR269-1	2-219	3-80
Liha	Manisha	WR238-1	2-201	3-78
Livingston	Ĵana	WR23-1	2-17	3-56
Lo	Catherine P.	WR164-1	2-145	3-71
		WR164-2	2-145	3-71
		WR289-1	2-230	3-81
Lo	Karl	WR163-1	2-144	3-71
		WR163-2	2-144	<b>3-7</b> 1
		WR178-1	2-152	3-72
		WR178-2	2-152	3-72
		WR178-3	2-152	3-72
Long	Lyn	WR136-1	2-127	3-68
		WR458-1	2-361	3-100
Long	William	WR137-1	2-127	3-69
Loomis	Jilda	WR182-1	2-154	3-72
Losefo	Sister Pesio	WR175-1	2-150	3-72
Love	Charley	WR351-1	2-307	3-95
Love	John	OR23-1 EX7-1	2T1-58 1-13	3-25 3-43

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

Name (Last, First	1)	Comment Code	Document Location*	Response Location (Vol. I page #)
Lucas	Mary E.	WR58-1	2-45	3-62
Luinn	Jeannie	WR131-1	2-123	3-68
Lundgren	Dr. Jack	OR5-1	2T1-33	3-21
Maarewicz	Conrad	OR92-1 OR92-2	2T2-59 2T2-59	3-34 3-34
Mackey	Kathie L.	WR5-1	2-5	3-54
Macknowski	Robert	WR73-1	2-84	3-64
Magee	Linda	OR30-1	2T1-67	3-26
Mahal	Ahmen	OR156-1	2T2-137	3-43
Mahal	Enshura	OR56-1 OR56-2 OR56-3 OR56-4 OR56-5	2T1-96 2T1-96 2T1-96 2T1-97 2T1-97	3-29 3-29 3-29 3-29 3-29
Makarewicz	Irene	WR235-1	2-198	3-78
Makarewicz	Roman	WR236-1	2-198	3-78
Makarewicz	Sienna	WR234-1 WR323-1	2-197 2-270	3-78 3-85
Makuaole	Sandra	EX86-1	1-90	3-50
Manaker	Ray A.	WR475-1	2-365	3-101
Mandel	Laura	WR179-1	2-152	3-72
Mandel	Mark	WR183-1	2-154	3-72
Mandeville	Christopher	OR137-1	2T2-118	3-40
Manini, Sr.	Joseph Punilei	WR65-1	2-49	3-62
Mansfield	Becky	WR85-1	2-93	3-64

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

Name (Last, First	)	Comment Code	Document Location*	Response Location (Vol. I page #)
		WR374-1	2-323	3-96
Marchino	Robert	OR50-1	2T1-89	3-28
Marcus	David	WR388-1	2-332	3-97
		WR429-1	2-352	3-99
Mariano	Ferdinand	WR257-1	2-212	3-79
Marinelli	Suzanne	OR72-1	2T2-32	3-31
		OR72-2	2T2-32	3-31
		EX56-1	1-60	3-48
		EX56-2	1-61	3-48
		WR62-1	2-47	3-62
		WR231-1	2-190	3-77
		WR231-2	2-190	3-77
		WR231-3	2-190	3-77
		WR231-4	2-190	3-77
		WR231-5	2-191	3-78
		WR231-6	2-191	3-78
		WR231-7	2-191	3-78
Markowski	Mark M.	EX80-1	1-84	3-50
Marston	Nani	OR144-1	2T2-126	3-42
Martin	Mrs.	WR80-1	2-89	3-64
Martin	Rodney	OR140-1	2T2-120	3-41
		EX92-1	1-96	3-51
Marty	Conrad	WR122-1	2-117	3-68
Masters	Mark	WR457-1	2-360	3-100
Matthews	Ann	WR233-1	2-197	3-78
		WR500-1	2-380	3-104
Mayall	Hilary	WR251-1	2-209	3-79
	· .	WR463-1	2-362	3-100
McBride	Bonnie	WR228-1	2-186	3-77

<sup>\*</sup> OR comments located in Volume II EXWR comments located in Volume III

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McBride	Brigid	OR51-1 OR51-2 WR66-1 WR66-2 WR66-3 WR196-1 WR196-2 WR196-3 WR361-1 WR361-2	2T1-90 2T1-90 2-78 2-78 2-78 2-165 2-165 2-165 2-315 2-315 2-315	3-28 3-28 3-62 3-62 3-74 3-74 3-74 3-95 3-95
McClelland-Cowan	Kathy	WR95-1	2-103	3-66
McCuistion	Laura	WR86-1	2-93	3-64
McGregor	Dr. Davianna	OR125-1 OR125-2 OR125-3 OR125-4 OR125-5 OR125-6 OR125-7 OR125-8 OR125-9 EX54-1 EX54-2 EX54-3 EX54-4 EX54-5 EX54-6 EX54-7 EX54-8 EX54-9 EX54-10 EX54-11 EX54-12	2T2-101 2T2-101 2T2-101 2T2-102 2T2-102 2T2-102 2T2-102 2T2-102 2T2-102 1-56 1-56 1-56 1-56 1-57 1-57 1-57 1-57 1-57 1-57	3-38 3-39 3-39 3-39 3-39 3-39 3-39 3-39
McHenry		WR360-1	2-314	3-95
McHenry	Robert W.	WR260-1	2-214	3-80
McKenna	Cynthia	WR186-1	2-156	3-73

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

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McKeown	Barry	EX99-1	1-103	3-51
McKibbin	Doug	WR158-1	2-141	3-71
Measel	Robert	OR52-1	2T1-92	3-28
Measel, Jr.	Robert	WR418-1 WR432-1	2-347 2-354	3-98 3-99
Medico	Jane	WR125-1	2-118	3-68
Mehl	Helen M.	WR72-1 WR72-2 WR334-1 WR334-2 WR334-3 WR334-4 WR334-5	2-83 2-83 2-298 2-298 2-298 2-298 2-298	3-64 3-64 3-93 3-93 3-93 3-93
Melendez	Deborah	WR55-1 WR109-1	2-43 2-110	3-62 3-67
Mendelson	Meryl	WR425-1	2-350	3-99
Mentley	Lue	WR387-1	2-331	3-97
Meorolt	David	WR145-1	2-133	3-69
Merrimax	Francis	WR15-1 WR390-1	2-13 2-333	3-56 3-97
Mesler	James	WR22-1	2-17	3-56
Metteauea	Craig	WR490-1	2-369	3-101
Meyer	Bob	OR48-1 OR48-2	2T1-87 2T1-87	3-28 3-28
Michaelsen	Lillian	WR367-1	2-319	3-96
Miller	Bonnie	WR172-1	2-149	3-72
Miller	Mary Pat	WR211-1	2-173	3-75

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

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Minium	Flora	WR92-1	2-101	3-66
Mink	Patsy T.	OR83-1 OR83-2 OR83-3 OR83-4 OR83-5 OR83-6 OR83-7 OR83-8 EX66-1 EX66-2 EX66-3 EX66-4 EX66-5 EX66-6	2T2-45 2T2-46 2T2-47 2T2-47 2T2-47 2T2-48 2T2-48 1-72 1-72 1-72 1-72 1-73 1-73	3-33 3-33 3-33 3-33 3-33 3-33 3-33 3-49 3-49
		EX66-7 EX66-8	1-73 1-73	3-50 3-50
Mirowsky	Lawrence	EX104-1	1-108	3-51
Mitchell	Wendy	OR36-1 WR400-1	2T1-75 2-338	3-27 3-98
Molira	Rodney	EX39-1	1-44	3-47
Momohara	Dan	OR122-1	2T2-98	3-38
Mons	Marion	OR87-1 OR87-2 OR87-3 WR297-1 WR297-2 WR297-3 WR297-4	2T2-53 2T2-53 2T2-54 2-234 2-234 2-234 2-234	3-34 3-34 3-34 3-81 3-81 3-82 3-82
Moore	Sally Jo	WR278-1	2-224	3-80
Morgan	Candice	OR153-1	2T2-135	3-42
Morikawa	Muggsy K.	EX87-1	1-91	3-50
Morris	Patrice	WR280-1	2-225	3-80

<sup>\*</sup> OR comments located in Volume II EX/WR comments located in Volume III

Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Morris	Richard J.	EX100-1	1-104	3-51
Morrow	Melissa	WR509-1	2-386	3-104
Morton	Laka	OR97-1 OR97-2 OR97-3 WR368-1	2T2-64 2T2-65 2T2-65 2-319	3-35 3-35 3-35 3-96
Mossman	Vida	EX37-1	1-43	3-47
Mulhall	Mary	EX15-1	1-30	3-45
Muraoka	Rene	WR103-1	2-107	3-66
Murayama	Robin	EX96-1	1-100	3-51
Nakahara	Joyce	WR113-1	2-112	3-67
Nansel	Lisa de Treax	WR184-1	2-155	3-72
Native Hawaiian Advisory Council		WR71-1	2-82	3-63
Nekomoto	David S.	OR4-1 EX2-1	2T1-31 1-6	3-20 3-43
Nelson	Alice	OR46-1	2T1-85	3-28
Nelson	Krija S.	WR123-1	2-117	3-68
Neumann	Janet	OR86-1 OR86-2 OR86-3 OR86-4 OR86-5 WR215-1 WR461-1	2T2-52 2T2-52 2T2-52 2T2-52 2T2-52 2-178 2-361	3-33 3-34 3-34 3-34 3-76 3-100
Niau	Sonny	OR136-1	2T2-116	3-40
Nichols	Lori	WR450-1	2-359	3-100

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Nihi	Ben	OR16-1	2T1-48	3-24
Nishihira	Amy C.	WR255-1 WR255-2	2-211 2-211	3-79 3-79
Nishimoto	Catherine & Brysone	WR277-1	2-223	3-80
Norris	Tom	OR100-1 OR100-2 OR100-3 OR100-4 WR328-1 WR328-2 WR328-3 WR328-4	2T2-68 2T2-68 2T2-69 2-286 2-286 2-287 2-287	3-35 3-36 3-36 3-36 3-92 3-92 3-92 3-92
		WR328-5 WR328-6 WR328-7 WR438-1	2-287 2-288 2-288 2-356	3-92 3-92 3-93 3-99
Nunes	Wendell	OR88-1	2T2-54	3-34
O'Donnell	Jim	OR135-1 WR498-1	2T2-114 2-377	3-40 3-104
O'Donnell	Sally	OR134-1 OR134-2 OR134-3 OR134-4 OR134-5 WR414-1	2T2-113 2T2-113 2T2-113 2T2-113 2T2-113 2-345	3-40 3-40 3-40 3-40 3-40 3-98
O'Hearn	Michelle	WR282-1 WR405-1	2-226 2-340	3-81 3-97
Oceana	Alia	WR392-1	2-334	3-97
Oda	Ronald M.	WR93-1	2-102	3-66
Offley	Caleb M.	WR147-1 WR247-1	2-134 2-207	3-69 3-79
Oliver	Dennis J.	WR166-1	2-146	3-72

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Oliver	Polli	OR117-1 OR117-2 WR165-1	2T2-91 2T2-91 2-145	3-38 3-38 3-71
Ovarton	L.	WR453-1	2-359	3-100
Owen	Betty	WR415-1	2-345	3-98
Pa	Cyndi	WR272-1	2-220	3-80
Paglinawan	Richard K.	WR67-1 WR67-2 WR67-3 WR67-4 WR67-5 WR67-6 WR67-7 WR67-8	2-79 2-79 2-79 2-79 2-79 2-80 2-80 2-80	3-63 3-63 3-63 3-63 3-63 3-63 3-63
Paigge	Barbara Jean	WR411-1	2-343	3-98
Palmer	Pamela	WR31-1 WR190-1 WR190-2 WR291-1 WR291-2 WR343-1	2-23 2-158 2-158 2-231 2-231 2-303	3-58 3-73 3-73 3-81 3-81 3-94
Palting	Larry	WR187-1	2-157	3-73
Parks	Andrew	OR77-1 EX105-1	2T2-37 1-109	3-32 3-51
Parsons	Judith	WR60-1	2-46	3-62
Partida	Alberto	OR148-1	2T2-129	3-42
Partido	Alberto	WR366-1 WR465-1	2-318 2-362	3-96 3-100
Patterson	A.J.	WR248-1 WR248-2	2-208 2-208	3-79 3-79

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Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Patterson	Kaleo	WR313-1	2-244	3-83
		WR313-2	2-244	3-83
		WR313-3	2-244	3-83
		WR313-4	2-245	3-83
		WR313-5	2-245	3-83
		WR313-6	2-245	3-83
		WR313-7	2-245	3-83
		WR313-8	2-245	3-83
		WR313-9	2-245	3-83
		WR313-10	2-245	3-83
		WR313-11	2-245	3-83
		WR313-12	2-246	3-84
			2-246	3-84
		WR313-13		3-84
		WR313-14	2-246	
		WR313-15	2-246	3-84
		WR313-16	2-246	3-84
		WR313-17	2-246	3-84
		WR313-18	2-247	3-84
		WR313-19	2-247	3-84
		WR313-20	2-247	3-84
		WR313-21	2-247	3-84
		WR313-22	2-247	3-84
		WR313-23	2-247	3-84
		WR313-24	2-247	3-84
		WR313-25	2-248	3-84
Patterson	Rev. Kaleo	OR103-1	2T2-70	3-36
		OR103-2	2T2-71	3-36
		OR103-3	2T2-71	3-36
		OR103-4	2T2-71	3-36
		OR103-5	2T2-71	3-36
		EX111-1	1-118	3-52
Patts	John	OR57-1	2T1-98	3-29
	•	OR57-2	2T1-98	3-29
Patula	Al	WR197-1	2-166	3-74
		WR197-2	2-166	3-74
Paty	William	WR194-1	2-162	3-73
	•	WR194-2	2-162	3-74
		WR194-3	2-162	3-74
		WR511-1	2-389	3-106

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		WR511-2 WR511-3 WR511-4 WR511-5	2-389 2-389 2-389 2-389	3-106 3-106 3-106 3-106
Pearson	Mark	WR293-1	2-232	3-81
Pelegrino	James D.	EX101-1	1-105	3-51
Peragine	Lana	WR346-1	2-304	3-94
Perrotta, Jr.	Louis A.	WR45-1 WR330-1 WR330-2 WR330-3 WR330-4 WR330-5 WR437-1	2-36 2-291 2-291 2-291 2-292 2-292 2-355	3-61 3-93 3-93 3-93 3-93 3-93 3-99
Peterson	Glenn	OR8-1	2T1-37	3-21
Petrich	Alfred J.	WR296-1	2-234	3-81
Petrich	Doris	WR200-1	2-167	3-74
Pickett	Kathleen K.	WR266-1	2-217	3-80
Pickett	Thomas S.	WR249-1	2-208	3-79
Poliatch	Karen Bacon	WR408-1	2-342	3-98
Pomroy	Sharon	OR19-1 OR19-2 OR19-3	2T1-52 2T1-52 2T1-53	3-24 3-24 3-24
Post	Amy	WR440-1	2-356	3-99
Post	Wallis	WR441-1	2-356	3-99
Prater	Sharon	OR26-1	2T1-62	3-26
Price	Jana	WR42-1 WR352-1	2-33 2-308	3-61 3-95

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Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
Rawlins	Debra	WR128-1	2-121	3-68
Read	Raymond C.	WR424-1	2-350	3-99
Rediger	Cliff	OR121-1	2T2-95	3-38
Rhodes	David & Heidi	WR225-1	2-183	3-76
Rhodes	Heidi	WR284-1	2-227	3-81
Richardson	Lorraine	WR507-1	2-384	3-104
Ridgeway	Lynn	WR364-1	2-317	3-96
Riedel	Suzanne	WR37-1	2-28	3-60
Riklon	Johnsay A.	WR230-1	2-188	3-77
Riklon	Julian	OR13-1 WR133-1	2T1-46 2-125	3-24 3-68
Riley	Joni	OR133-1 OR133-2 OR133-3 OR133-4 EX52-1 EX52-2 WR265-1	2T2-111 2T2-112 2T2-112 2T2-112 1-55 1-54 2-217	3-40 3-40 3-40 3-48 3-48 3-80
Rita	D.M.	OR146-1 EX51-1	2T2-12 <b>7</b> 1-53	3-42 3-48
Robinson	Keith	OR33-1	2T1-70	3-27
Rodarte	Sandra	WR198-1	2-166	3-74
Rogers	Cassidy	WR155-1	2-140	3-70
Rogers	Django	WR294-1	2-233	3-81
Rogers	Nani	OR126-1 OR126-2 WR87-1	2T2-103 2T2-104 2-94	3-39 3-39 3-64

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Rosenfeld	Dale	EX30-1 WR416-1	1-38 2-346	3-46 3-98
Ross	Lisa K.	WR344-1	2-303	3-94
Ross	Richard	EX82-1	1-86	3-50
Rossite	Don	WR466-1	2-363	3-100
Roversi	Lee	WR286-1	2-228	3-81
Rubenstein	Gary	WR9-1 WR9-2 WR9-3 WR9-4 WR9-5 WR9-6 WR9-7	2-8 2-9 2-9 2-9 2-9 2-9 2-9	3-55 3-55 3-55 3-55 3-55 3-55 3-56
Rubio	Ralph	WR104-1	2-108	3-66
Ruiz	Ginger	OR147-1 EX50-1	2T2-128 1-53	3-42 3-47
Sabbatini	Lola	WR454-1	2-360	3-100
Sadomiano	Francisco	WR303-1	2-238	3-82
Sakoda	Larry	EX89-1	1-93	3-51
Salamonsen	P.J.	WR144-1	2-132	3-69
Salburg	Harry	WR371-1	2-321	3-96
Salsburg	Harry	OR35-1 OR35-2 OR35-3 OR35-4	2T1-73 2T1-73 2T1-74 2T1-74	3-27 3-27 3-27 3-27
Sample	Gary	OR29-1 OR29-2 OR29-3 OR29-4	2T1-66 2T1-66 2T1-66 2T1-66	3-26 3-26 3-26 3-26

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Name (Last, First)		Comment Code	Document Location*	Response Location (Vol. I page #)
		OR29-5 OR29-6 OR29-7	2T1-66 2T1-67 2T1-67	3-26 3-26 3-26
Santos	Carolina	EX91-1	1-95	3-51
Sato	Glenn H.	WR33-1 WR33-2 WR33-3 WR33-4 WR33-5 WR33-6 WR33-7 WR33-8 WR33-9 WR33-10 WR33-11 WR33-12 WR33-12 WR33-13 WR33-14	2-25 2-25 2-25 2-25 2-25 2-25 2-25 2-26 2-26	3-58 3-58 3-58 3-58 3-59 3-59 3-59 3-59 3-60 3-60 3-60 3-60 3-60
Saunders	Cheryl Ann	OR32-1 OR32-2	2T1-69 2T1-69	3-27 3-27
Saunders	David P.	OR6-1	2T1-34	3-21
Scamahorn	Elizabeth	OR37-1 OR37-2 OR37-3 EX10-1 EX10-2 EX10-3	2T1-75 2T1-76 2T1-76 1-19 1-19 1-19	3-27 3-27 3-27 3-45 3-45 3-45
Schaefer	Brian	OR96-1 OR96-2 EX61-1 EX61-2	2T2-63 2T2-63 1-65 1-65	3-35 3-35 3-49 3-49
Schavone	Tracy	OR74-1	2T2-33	3-31
Schield	T.	WR287-1	2-229	3-81

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Schlichter	Joseph	WR375-1	2-323	3-96
Schofield	Faye	WR452-1	2-359	3-100
Schutt	LaRae	WR317-1	2-266	3-85
Scott	John	OR10-1 OR10-2 OR10-3 OR10-4 OR10-5 OR10-6 OR10-7	2T1-39 2T1-40 2T1-40 2T1-40 2T1-40 2T1-40 2T1-40	3-21 3-21 3-21 3-22 3-22 3-22 3-22
Serle	Ranjana	WR310-1	2-241	3-82
Serle	Ronald	WR321-1	2-269	3-85
Shanha	Michael	WR154-1	2-139	3-70
Shapiro	Dan	WR382-1 WR473-1	2-327 2-364	3-97 3-101
Shapiro	Howard	WR28-1 WR28-2	2-21 2-21	3-57 3-57
Shea	Kate Harrington	WR61-1	2-46	3-62
Sherman	Richard	WR56-1 WR350-1 WR350-2	2-44 2-307 2-307	3-62 3-94 3-94
Sherrow	Cat	EX34-1	1-41	3-47
Shiebert	Todd	OR85-1 OR85-2	2T2-50 2T2-51	3-33 3-33
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Siegel	Lenny	OR35-1 OR35-2 OR35-3	2T1-73 2T1-73 2T1-74	3-27 3-27 3-27

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		OR35-4	2T1-74	3-27
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Stamler	Vickie	OR49-1	2T1-88	3-28
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Stocker	Steven C.	WR232-1	2-196	3-78
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